



**UNIFOREST<sup>®</sup>**

**TIMBER HANDLING**



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An aerial photograph of a large industrial facility, likely a timber mill, with a paved road in the foreground and mountains in the background. A large yellow triangular graphic is overlaid on the left side of the image, containing text.

## WELCOME TO OUR PRODUCT CATALOGUE!

Safety, efficiency and responsibility towards the forest are the guiding principles of timber handling, which is why Uniforest's mission is to develop and manufacture machines that support these values. Our equipment is engineered to the highest standards of quality, reliability and durability.

We are proud that the high level of usability of Uniforest machines is recognised by professional foresters as well as occasional users. With our machines, everyday tasks become more organised, and demanding work becomes easier and more efficient. We are here to support you with innovative, thoughtfully developed solutions that ensure successful, safe and sustainable work in the forest.

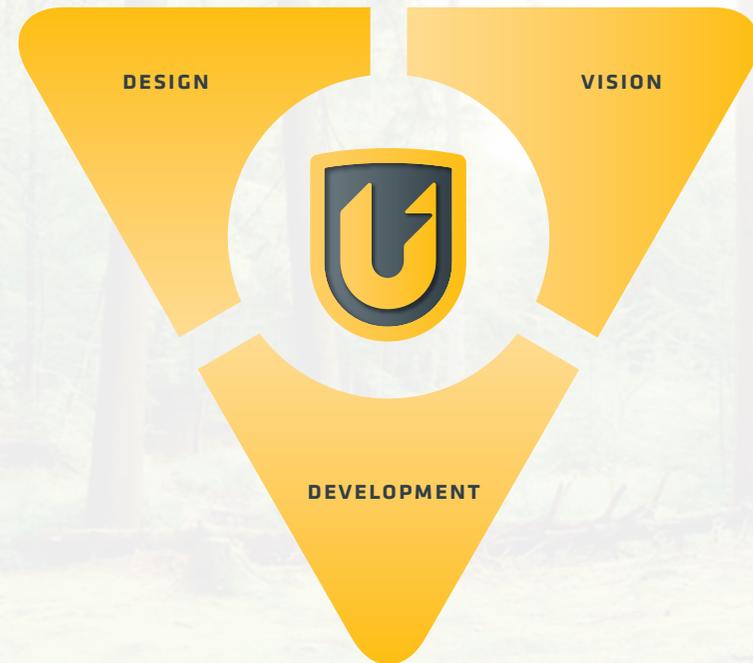


## ABOUT

# UNIFOREST

UNIFOREST is a globally recognised company with an impressive tradition in manufacturing forestry machinery, distinguished by innovation and superior quality.

In-house development is guided by market requirements. We always consider our customers' opinions and needs, which are constantly evolving in a rapidly changing world. Every part of each product is carefully considered, and every machine is designed and manufactured down to the smallest detail, ensuring high-quality results. To date, many integrated solutions have been patented and we have received numerous awards and honours.





## DEVELOPMENT AND DESIGN – HIGHLY SPECIALISED AND MOTIVATED TEAM

User satisfaction and safe operation are at the top of our list of priorities. Every machine is carefully designed and constructed by a team of highly qualified and experienced engineers working hand-in-hand with the industrial designer. Ensuring high safety and user-friendliness standards is their daily challenge.



## SUPERIOR DESIGN OF UNIFOREST MACHINES

Melon yellow and anthracite grey are our established colours, communicating the core principles of our machine development: Safety, high user-friendliness, and efficiency.

All machines are designed in collaboration with an industrial designer. In 2007, we defined the first and most important development guidelines for Uniforest, as our distinctive design lines and the combination of our brand colours are recognised by customers worldwide.

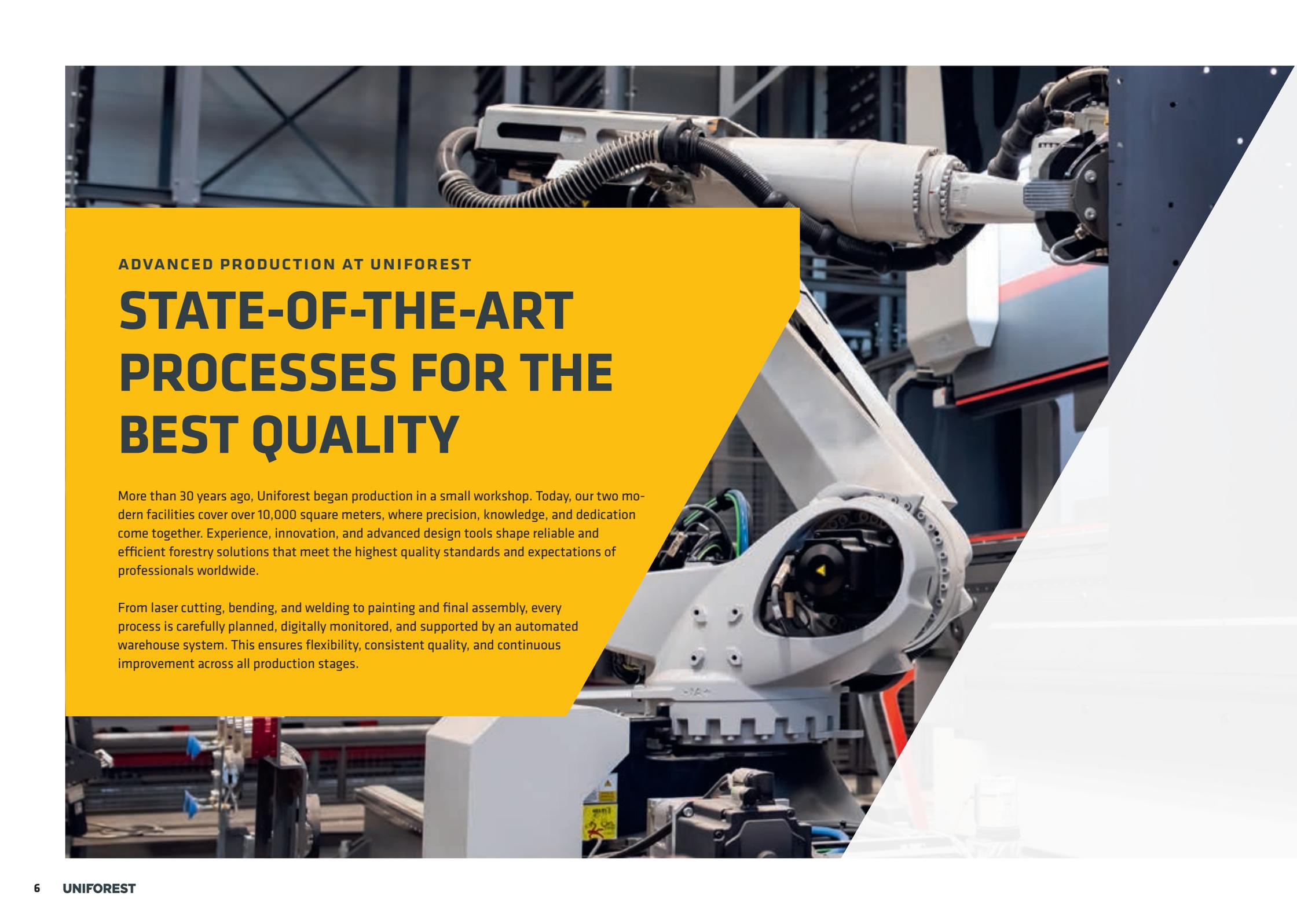


## OUR MISSION AND VISION

We believe that change is a challenge to which we respond by developing innovative, simple, safe, user- and environmentally-friendly solutions. And this is how a top-class forestry winch, forestry skyline system or timber grab is ultimately produced.

Safety comes first. We do the right thing: for our customers, for the environment, for society, for people and for the economy.

**Safety first!**  
**Do it right for all!**



ADVANCED PRODUCTION AT UNIFOREST

# STATE-OF-THE-ART PROCESSES FOR THE BEST QUALITY

More than 30 years ago, Uniforest began production in a small workshop. Today, our two modern facilities cover over 10,000 square meters, where precision, knowledge, and dedication come together. Experience, innovation, and advanced design tools shape reliable and efficient forestry solutions that meet the highest quality standards and expectations of professionals worldwide.

From laser cutting, bending, and welding to painting and final assembly, every process is carefully planned, digitally monitored, and supported by an automated warehouse system. This ensures flexibility, consistent quality, and continuous improvement across all production stages.



### **ADVANCED PRODUCTION AT UNIFOREST: STATE-OF-THE-ART PROCESSES FOR THE BEST QUALITY**

In 2009, Uniforest opened its first modern production, upgraded with digital warehouse management, storage systems and a winch assembly line in 2021. Three years later, another technologically advanced facility was built. The new 5,500 m<sup>2</sup> production/storage hall increases production capacity and offers greater vertical integration.



### **INNOVATION BEHIND THE SCENES: THE TECHNOLOGY DEPARTMENT**

Our new production facility also houses our technology department, where a team of development technologists works tirelessly to optimise our laser cutting, bending, and welding processes. This dedicated team is responsible for the continuous improvement of production workflows, ensuring we meet the evolving needs of our customers while maintaining the highest quality standards.



### **CERTIFICATE EN ISO 3834-3 - STANDARD QUALITY REQUIREMENTS FOR FUSION WELDING**

Uniforest has obtained the EN ISO 3834-3 certification for standard quality requirements in fusion welding of metallic materials, issued by the independent certification body TÜV SÜD. This standard defines how welding must be organised and controlled to ensure consistent and traceable weld quality, both in the production facility and in field operations.

More:



# SUSTAIN- ABILITY

In 2020, we formulated a new sustainable business strategy for the period up to 2023 and set targets and indicators for the time-frame, which was to be especially marked by rapid technological development, global climate change, and other development trends.

## SUSTAINABILITY GOALS

- 1** | To remain a leading company that ensures the safety of all users when operating our machines and attachments during outdoor work.
- 2** | To continuously invest in the development of new innovative products, services, processes and business models.
- 3** | To provide adequate onboarding of our product-users to handle the machines in a way to ensure environment protection.
- 4** | To manage the company's assets efficiently and transparently.
- 5** | To control the consumption of energy sources, materials and waste with the help of the informational system.
- 6** | To manage internal processes with a quality management system, while the control of the supplier and cooperants is based on the application for sustainability performance assessment.

### ISO 14001 ENVIRONMENTAL MANAGEMENT AT UNIFOREST

At Uniforest, ecological sustainability is at the core of our actions. With the introduction of the ISO 14001 standard, we have implemented an internationally recognised environmental management system (EMS) that systematically reduces our environmental impact. We set clear environmental targets, continuously optimise processes in the areas of waste, energy, and emissions, and actively promote environmental awareness among our employees. Regular training, internal audits and performance reviews ensure the effectiveness of the system. In this way, we create an efficient and responsible organisation for our community, our industry and our planet.



### ISO 9001 QUALITY MANAGEMENT AT UNIFOREST

For Uniforest, quality is not just a claim but a promise. With ISO 9001 certification, we rely on a proven quality management system (QMS) that places customer satisfaction and continuous improvement at its core. Through clearly defined processes, measurable quality objectives and systematic risk assessments, we ensure our products and services meet the highest standards. Regular audits, training and feedback mechanisms support a lived quality culture throughout the company. With ISO 9001, we guarantee reliability, efficiency and sustainable development in the interests of our customers and our company.



### ENVIRONMENTALLY FRIENDLY MACHINES



**99 % recyclable materials**



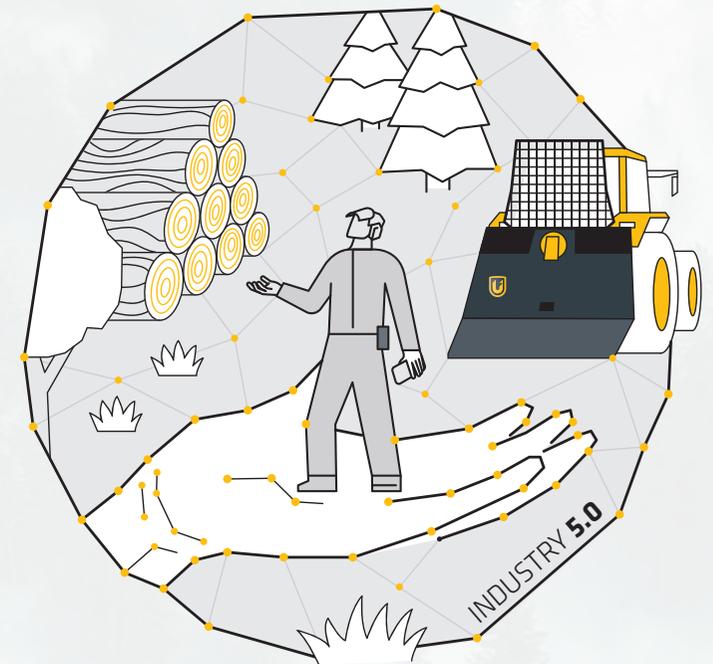
**Biodegradable oils**



**Maximum use of consumed energy**

# THE SMART POWER OF NATURE – UNIFOREST CONNECT APP

In line with the EU directives for Industry 5.0, digitalisation and the green transition!



The analysis was carried out by the Faculty of Mechanical Engineering at the University of Maribor.



Faculty of Mechanical Engineering

Resources :

- [1] Directive 2006/42/EC – Machinery Safety, Link: [https://eur-lex.europa.eu/legalcontent/SL/TXT/?uri=CELEX-%3A32006L0042](https://eur-lex.europa.eu/legalcontent/SL/TXT/?uri=CELEX%3A32006L0042), accessed on 17.3.2025.
- [2] EU Industrial Strategy – Digitalisation of Industry, Link: [https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/europe-fit-digitalage/shaping-europes-digital-future\\_en](https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/europe-fit-digitalage/shaping-europes-digital-future_en), accessed on 18.3.2025
- [3] EU Guidelines for Industrial Research and Innovation, Link: [https://research-andinnovation.ec.europa.eu/research-area/industrial-research-and-innovation\\_en](https://research-andinnovation.ec.europa.eu/research-area/industrial-research-and-innovation_en), accessed on 18.3.2025
- [4] Directive 89/391/EEC on Safety and Health of Workers at Work, Link: <https://eur-lex.europa.eu/legal-content/SL/TXT/?uri=CELEX%3A31989L0391>, accessed on 19.3.2025





## 1. CONNECTIVITY AND INTELLIGENT MAINTENANCE

Uniforest machines are connected to the **central Uniforest database** via the **Uniforest Connect mobile app**, which enables **tracking of maintenance cycles, predictive maintenance and timely notification of service centres**. Thanks to this technology, **spare parts** are always available and the work process remains smooth.

**Industry 4.0 in practice** – integration of IoT and data analytics.

**Reference to the EU Directive:** Directive 2006/42/EC – Safety of machinery.



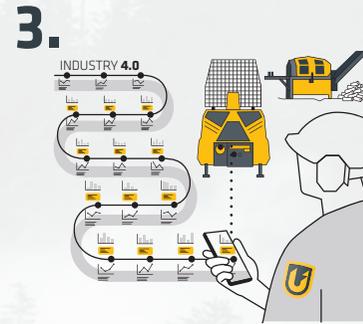
## 2. REAL-TIME DIAGNOSTICS AND REMOTE CONTROL

**Solutions within reach – anywhere and at any time!**

With advanced **remote machine diagnostics** and a response time of **0.3 seconds**, operators and technicians can **monitor machine loads live, check input signals and quickly rectify faults**.

**Industry 4.0** – advanced machine monitoring.

**EU strategy reference:** EU industrial strategy – digitalisation of industry.



## 3. TRACEABILITY AND SAFETY OF MACHINERY

**All machine information in one place!**

Every Uniforest machine is **traceable by a serial number** stored in the electronics and displayed on the declaration plate. The service history is always available, giving a **complete overview of past interventions and future maintenance**.

**Industry 4.0** – transparency and smart data management.

**EU guidelines reference:** EU guidelines for industrial research and innovation.



## 4. ERGONOMIC DESIGN ACCORDING TO EU STANDARDS

**Less effort, more safety!**

Uniforest machines are designed following EU ergonomic guidelines, including the ISO 12100 standard, which reduces operator fatigue and improves the working environment. Personalized control systems and user-friendly applications allow **easy operation in multiple languages**.

**Industry 5.0** – focusing on people and a safe working environment.

**Reference to the EU Directive:** EU Directive 89/391/EEC on health and safety at work.

# UNIFOREST CONNECT

## FOR THE HYDRAULIC FORESTRY WINCHES

### Uniforest Connect app for greater efficiency and longer service life

Download the Uniforest Connect app, connect via Bluetooth and get to know your winch better. Inspect basic machine diagnostic data and respond with appropriate action for safe and efficient log handling, as well as long service life of your forestry winch.

- ▶ Overview of operating hours
- ▶ Active measurement of the winch power supply
- ▶ Overview of the input/output signals of the winch
- ▶ Pulling force measurement in real time
- ▶ Statistical overview of pulling forces
- ▶ Separate module for service technicians

Connect to the Uniforest Connect app and get an extra year of warranty!

- ▶ Well-maintained machines have a longer service life.
- ▶ If the service intervals are adhered to, an extended warranty period of 2+1 year is guaranteed.



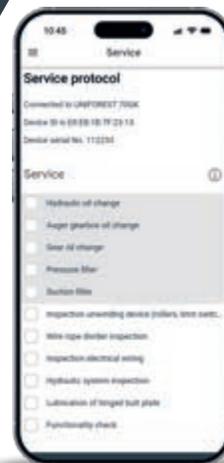
Overview of active functions (electronics)



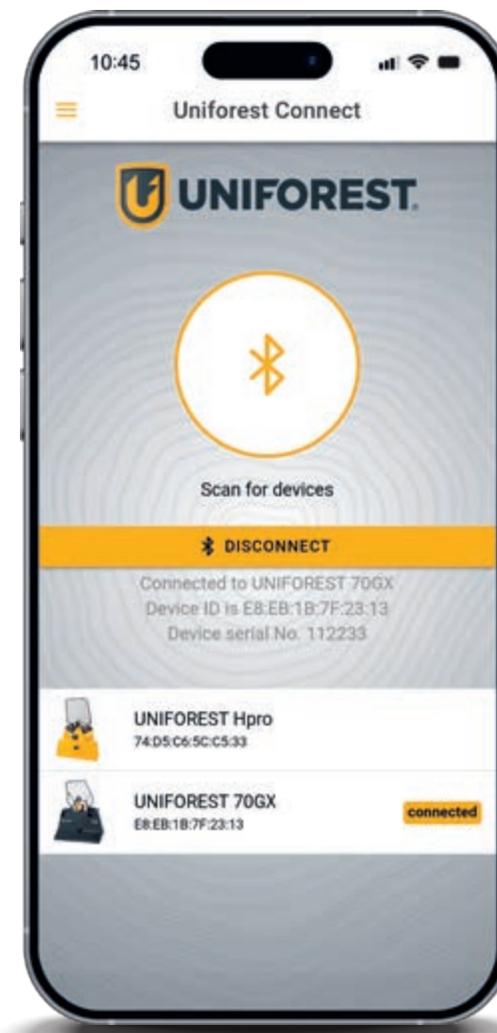
Pulling force



Operating hours



Service protocol



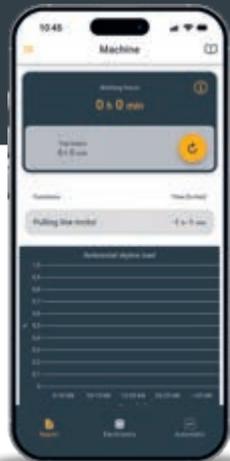
# UNIFOREST CONNECT

## FOR THE COBRA SKYLINE SYSTEM

The Uniforest Connect app is also available for the skyline system. It is equipped with the necessary electronics and sensors to monitor operation and record data on the machine functions. The Uniforest Connect app for the COBRA skyline system offers the following options:

- ▶ Recording the operating hours (motor of the load-bearing and pulling wire ropes),
- ▶ Service book with reminders for regular maintenance and servicing of the machine,
- ▶ Monitoring:
  - the electrical voltage and pressure of the individual functions,
  - the supply voltage of the electronics,
  - the input/output functions of the electronics,
  - of the oil temperatures,
  - speed of the PTO shaft,
  - position of the carriage on the track,
- ▶ Monitoring the functions of the remote control,
- ▶ Programming the track (supports/stations),
- ▶ Setting the speed and automatic mode parameters.

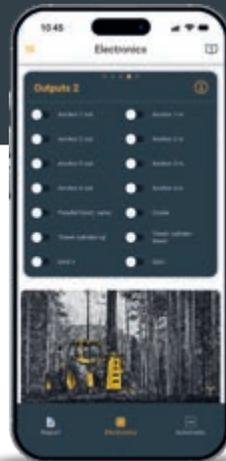
**NEW**



Operating hours



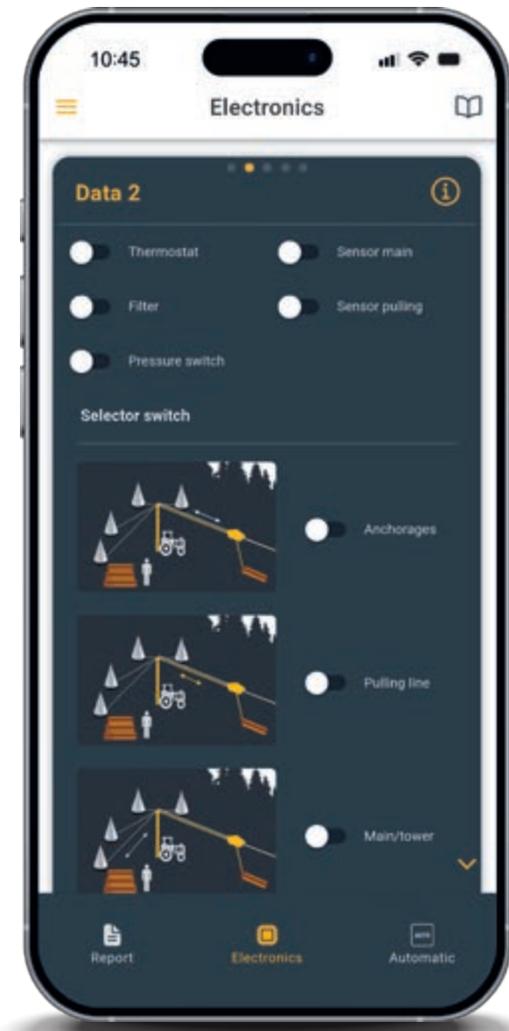
Remote control



Overview of active functions



Programming the route



# PROFI forestry winches

Designed for professionals, PROFi forestry winches represent the peak of innovation and performance. They ensure every job is completed safely, effortlessly, and efficiently.

## **GX/GKX**

70GX | 90GX | 90GFX | 90GKX | 2x90GX | 2x90GKX

## **Gpower/GKpower**

90GKpower | 120Gpower

## **WINCH HEADS**

1x75HK | 1x75HKpro | 1x100H | 1x100Hpro | 2x75HK | 2x75HKpro |  
2x100H | 2x100Hpro

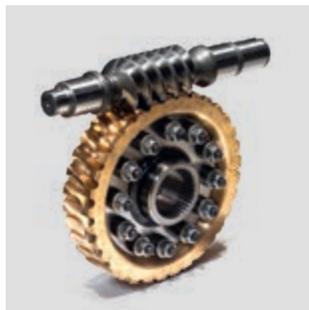
## **FORESTRY TRACTOR WITH FORESTRY WINCH**



# Common features of PROFI forestry winches



## Guarantee a long service life:



Worm gear drive (except model 70GX)



Strong and wide butt plate. Hydraulic hinged butt plate is an option.



### MULTI-PLATE CLUTCH

A multi-plate clutch (from 4 to 8 plates) prevents the individual discs from slipping and overheating.



### AUTO STOP

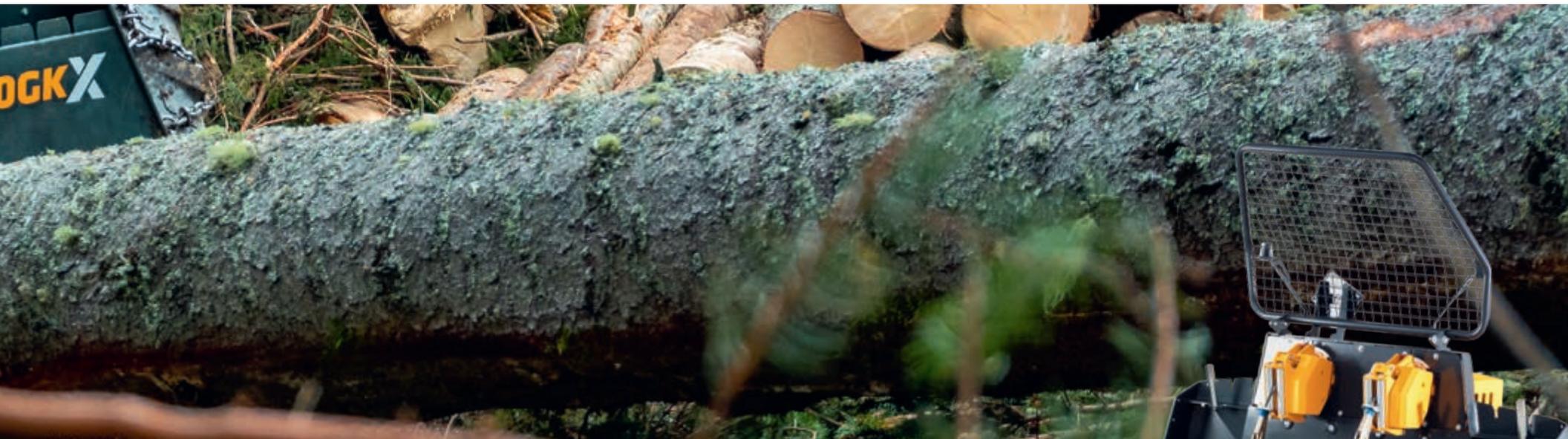
The AUTO STOP FUNCTION (limit switch) automatically stops the function of winding the wire rope on the drum. The function prevents mechanical damage to the unwinding device, entanglement, and damage to the wire rope.



- 1 When pulling logs while driving the tractor, you may encounter an obstacle (elevation, roots). If the tractor is not able to overcome these obstacles, the unwinding function can be switched into the mode without the assistance of the unwinding device and you can continue driving with a taut wire rope between the winch and the load.
- 2 The unwinding device can be switched on and off without delay (the standard model has a 1.5-sec. delay).
- 3 The SMART 3in1 function ensures additional tension of the wire rope between the unwinding pulley and drum.

The SMART 3in1 function is only available with the Terra funk remote controller and manual console.

\* Standard equipment for models without proportional brake.



### PROPORTIONAL BRAKE

The proportional braking system with adjustable braking force enables fully controlled, infinitely variable load release. This allows constant tension of the wire rope to be maintained between the winch and the load, prevents unwanted bending of the wire rope, and avoids shock loads on the winch and the tractor. The wire rope remains correctly wound on the drum, without slack and without the risk of jamming between the drum layers.

\* Standard for GKX, GKpower and Gpower models, optional for GX



### CONSTANT PULLING FORCE, ACTIVATED BY AFC

Active Force Control is a special pulling force measurement and regulation solution. The pulling force is measured directly on the wire rope and electronically regulated and does not depend on the wear of the clutch, temperature and humidity, the preload of the wire rope and the amount of wound wire rope on the drum. Thus, the pulling force remains the same at all times, the pulling rope is thinner and consequently longer, and the tractor can be of lower power. A lighter wire rope helps to increase productivity and faster wood harvesting on the one hand and to reduce user fatigue on the other.

\* Standard for GKX, GKpower, and Gpower models



### ATTACHMENT OF AUXILIARY WINCH POSSIBLE

Install the bracket for your auxiliary winch 6HWpro to the dedicated mounting-ready space. Connect it to the tractor with a separate hydraulic system and use one remote controller to operate the forestry and auxiliary winch.

## PROFI FORESTRY WINCHES

# GX/GKX SERIES

The new GX and GKX PROFI winch series combine all the functions a professional forest worker requests when log skidding. Work safety, efficiency, and the machine's long service life are provided through numerous state-of-the-art solutions, such as a proportioning valve for braking force regulation, Active Force Control for constant pulling force, Smart3in1, and AutoStop functions as an integral part of an unwinding device. The optimal structure of the winch frame includes a strong butt plate and a window guard that protect the tractor from the logs. Conveniently distributed PTO attachment, tool holders, and easily accessible wide choker chain departments also help increase work efficiency and safety.

- ▶ Maxi drum
- ▶ Large and conveniently positioned storage spaces
- ▶ The choker chain compartment with high capacity is partially open and accessible from above.
- ▶ Strong and wide butt plate
- ▶ Foldable window guard

## ACTIVE FORCE CONTROL

Standard equipment for GKX models.



### UNIFOREST CONNECT

Active winch diagnostics in real time.

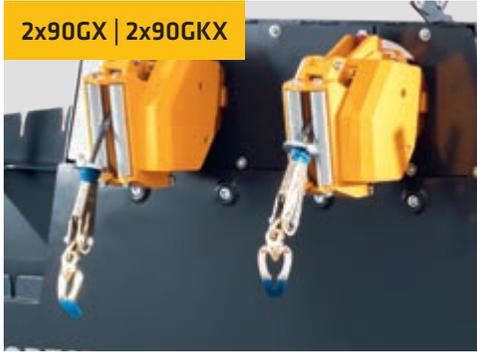


### UNILINK



Standard equipment for all GX/GKX single-drum winches

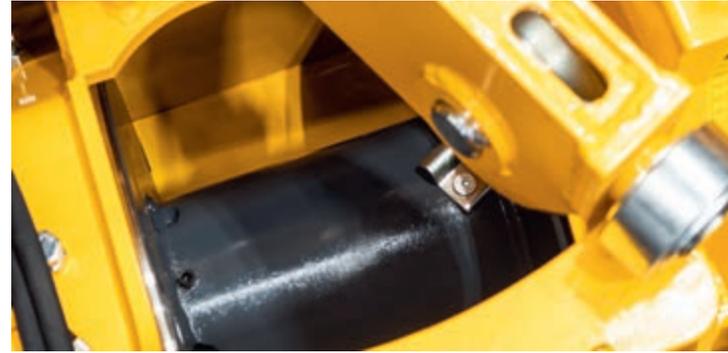
2x90GX | 2x90GKX



Separate hydraulic systems for each drum and unwinding devices



Built-in gear pump



Large drum-space for longer wire rope and wider area coverage

OPTION



Hydraulically hinged butt plate angle indicator



The wire rope speed control valve with integrated wire rope winding system ensures a precisely wound wire rope on the drum



Complete protection and access to all hydraulic and electronic components



Easy access and replacement of filters and hydraulic oil



Quick and easy installation of the winch on the tractor



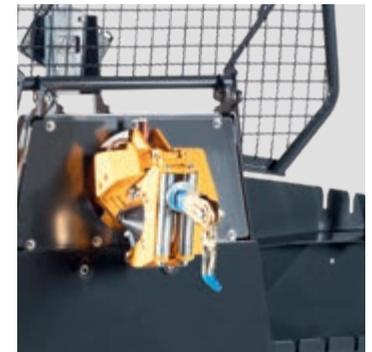
Strong and wide butt plate, hydraulic hinged butt plate is an option



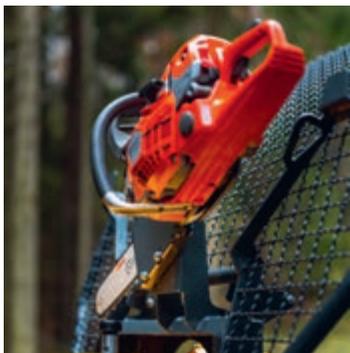
Foldable window guard



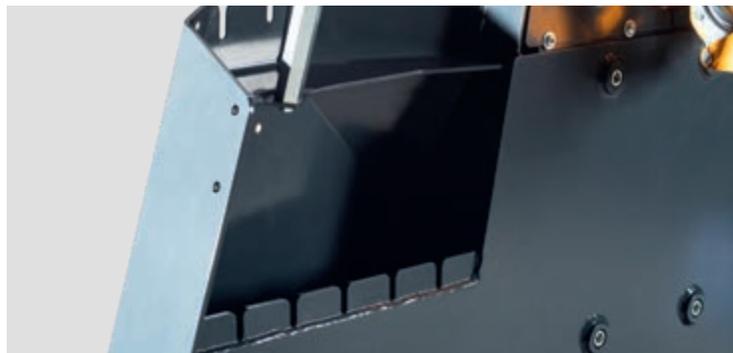
Convenient set up for monitoring of the the system pressure and the pressure of individual functions (pulling, proportional brake, unwinding device)



Unwinding device with powerful hydraulic motor



More storage space for accessories



Plenty of room at the front of the butt plate to keep the dirt from the tractor wheels away from the chains and other accessories



Multi-plate clutch



Worm gear drive (except model 70GX)



Wire rope guide



Robust construction

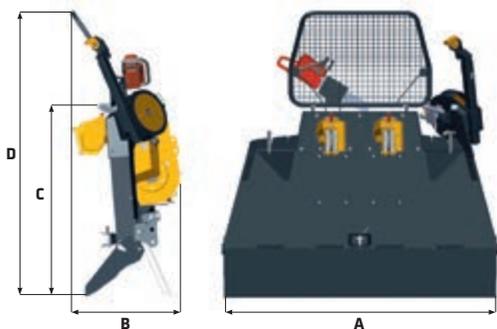


Pre-loaded wire rope tensioning roller



Different mounting heights of the winch on the tractor





Model		70GX	90GX	90GFX	90GKX	2x90GX	2x90GKX
<b>Technical data</b>							
Pulling force	kN	65	85	85	85 constant	85	85 constant
Braking force	kN	81	106	106	106	106	106
Average rope speed (540 min <sup>-1</sup> )	m/s	0,65	0,56	0,56	0,50	0,56	0,50
Drum capacity – max. rope length/diameter	m/mm	160/11	130/12	130/12	130/12	130/12	130/12
		130/12	120/13	120/13	120/13	120/13	120/13
Recommended min. tractor power	kW/HP	60/80	74/100	74/100	74/100	74/100	74/100
Revolutions max.	min <sup>-1</sup>	750	750	750	750	750	750
Linkage category		II, III					
Operation		Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic
Drive		Spiral bevel gear	Worm gear drive				
Pump		Gear pump					
Clutch plates	Pcs	4	6	6	6	6	6
Butt plate width (A)/weight without wire rope	mm/kg	1900/713	1900/726	1900/730	1900/752	2100/1060	2100/1060
		2100/736	2100/752	2100/756	2100/779		
Hydraulically adjustable butt plate (A)/weight without wire rope	mm/kg	2000/792	2000/809	2000/81	2000/834	2200/1185	2200/1185
		2200/824	2200/841	2200/845	2200/872		
Depth (B)	mm	920	920	920	920	870	870
Height (C)	mm	1770	1770	1770	1770	1770	1770
Height with window guard (D)	mm	2300	2300	2300	2300	2300	2300
<b>Additional equipment</b>							
Remote control		•	•	•	•	•	•
Unwinding device		•	•	•	•	•	•
Wire rope guide		•	•	•	•	•	•
Smart 3in1		•*	•*	•*	/	•*	/
AUTO STOP		•	•	•	•	•	•
Valve to ensure constant tension of the wire rope		•	•	•	•	•	•
Speed regulation for unwinding device		•	•	•	•	•	•
Adjustable brake release speed		•	•	•	•	•	•
Proportional brake		○	○	○	•	○	•
Trailer linkage		•	•	/	•	•	•
Foldable window guard		•	•	•	•	•	•
Chainsaw holder		•	•	•	•	•	•
Fuel tank holder		•	•	•	•	/	/
Pickaxe holder		•	•	•	•	•	•
Storage for forestry choker chains		•	•	•	•	•	•

• – Standard, ○ – Option, / – Not possible, •\* Standard equipment for models without proportional brake.

**ACTIVE  
FORCE  
CONTROL**

PROFI FORESTRY WINCHES

# GPOWER/GKPOWER SERIES

The 120Gpower forestry winch, with a pulling force of 12 t, is the largest and strongest in its category. The 90GKpower forestry winch, with a constant pulling force of 8.5 t, also stands out as an especially strong and powerful professional winch. Both winches are positioned closer to the tractor, and the pulley is mounted lower. Therefore, there is less chance for the tractor to be lifted. The large wire drum capacity also allows for winding longer wire ropes.

- ▶ Adjustable brake release speed and braking force
- ▶ Compact and strong construction
- ▶ Long service life
- ▶ Low maintenance costs
- ▶ Foldable window guard



## UNIFOREST CONNECT

Active winch diagnostics in real time



## UNILINK



Standard equipment

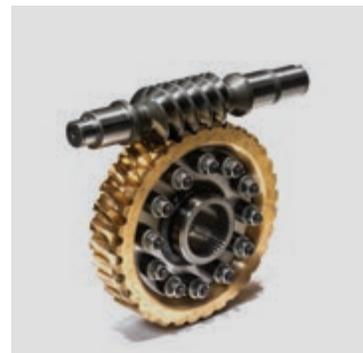


**PROPORTIONAL BRAKE:** Easily adjust the brake release speed and braking force for smoother, more controlled operation.



**360° rotating unwinding device**

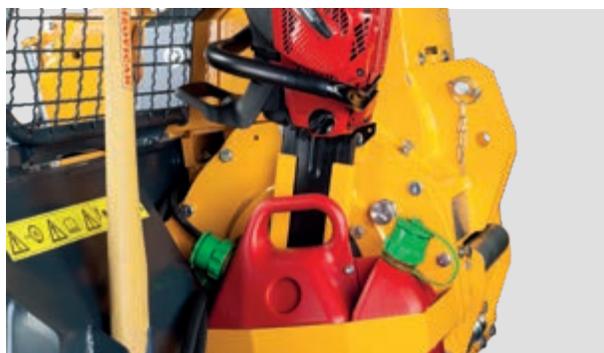
Large storage compartments at the front of the winch to prevent dirt from the tractor wheels reaching the chains and the other accessories.



It is driven by a worm gear, which enables high gear ratios and impact loads. The worm is made of high-alloy steel, is tempered, cemented and ground and the worm wheel is made of special bronze for even greater wear resistance.



The adjustable braking force enables the wire rope to be unwound without an unwinding device, with any pulling force between the winch and the load.



More storage space for accessories.



Quick and easy mounting of the winch on the tractor with different mounting heights.



Built-in gear pump.



The PTO shaft is centred at the rear of the winch, which makes the tractor and winch more stable and reduces the risk of damage to the cardan shaft.



**OPTION**

A hydraulically hinged butt plate enables easier handling and timber stacking thanks to a low centre of gravity.



The unwinding device with two drive pulleys and two hydraulic motors enables greater tension of the wire rope between the unwinding device and the drum during unwinding and ensures greater unwinding force.

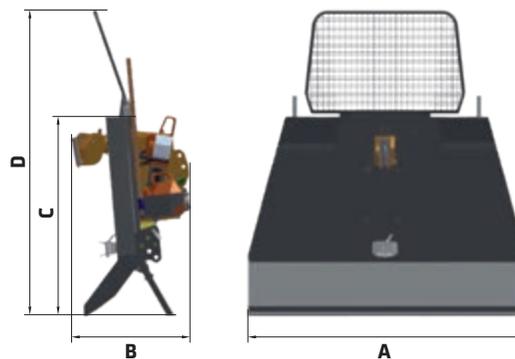


The proportional valve allows the user to adjust the braking force with a remote controller to any value up to the maximum braking force of a winch.

Thanks to a special solution, the pulling force is measured directly on the wire rope and regulated electronically so that it is not dependent on the following operating conditions:

- Clutch wear,
- Temperature, humidity,
- Pretensioning of the wire rope,
- Length of the wire rope wound on the drum.





Model		90Gpower	120Gpower
<b>Technical data</b>			
Pulling force	kN	85 constant	120
Braking force	kN	106	150
Average rope speed (540 min <sup>-1</sup> )	m/s	0,56	0,56
Drum capacity – max. rope length/diameter	m/mm	130/12	130/14
		110/13	-
Recommended min. tractor power	kW/HP	88/120	88/120
Revolutions max.	min <sup>-1</sup>	750	750
Linkage category		II, III	II, III
Operation		Electro-hydraulic	Electro-hydraulic
Drive		Worm gear drive	Worm gear drive
Pump		Gear pump	Gear pump
Clutch plates	Pcs	8	8
Butt plate width (A)/weight without wire rope	mm/kg	2200/920	2200/930
Hydraulically adjustable butt plate (A)/weight without wire rope	mm/kg	2400/1295	2400/1110
Depth (B)	mm	970	970
Height (C)	mm	1500	1500
Height with window guard (D)	mm	2300	2300
<b>Additional equipment</b>			
Remote control		•	•
Unwinding device		•	•
Wire rope guide		•	•
AUTO STOP		•	•
Valve to ensure constant tension of the wire rope		•	•
Speed regulation for unwinding device		•	•
Proportional brake		•	•
Trailer linkage		•	•
Foldable window guard		•	•
Chainsaw holder		•	•
Fuel tank holder		•	•
Pickaxe holder		•	•
Storage for forestry choker chains		•	•

• - Standard, ○ - Option, / - Not possible

## PROFI FORESTRY WINCHES

# WINCH HEADS

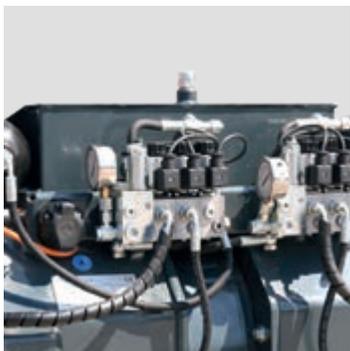
Winch heads are our speciality. Single-drum or double-drum versions are available. The winches can be fitted to any tractor with at least 80 hp.

- ▶ possible installation at the front or rear of the tractor
- ▶ high pulling force even when the rope is fully wound (significantly better pulling force ratio between the inner and outer diameter of the winding) 1:1.7
- ▶ torque transmission via involute splines
- ▶ easy maintenance and operation
- ▶ long service life

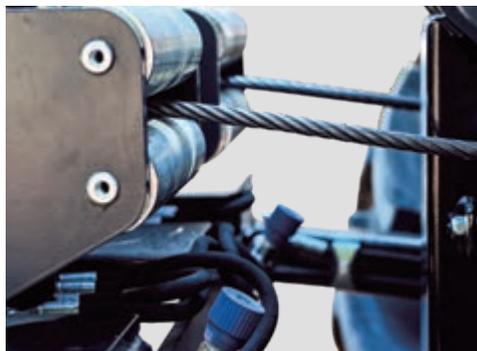


## UNIFOREST CONNECT

Active winch diagnostics in real time



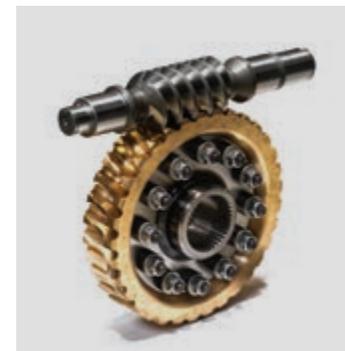
A control block with control valves and a high-pressure oil filter. Double-drum winches: separate hydraulic systems for drums and unwinding devices.



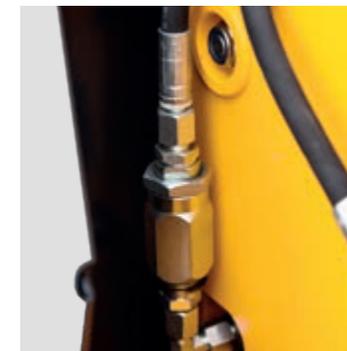
The unwinding device with two drive rollers and two hydraulic motors allows for greater tension in the wire rope between the unwinding device and the drum during unwinding, ensuring increased unwinding force. Adjustable wire rope unwinding speed option.



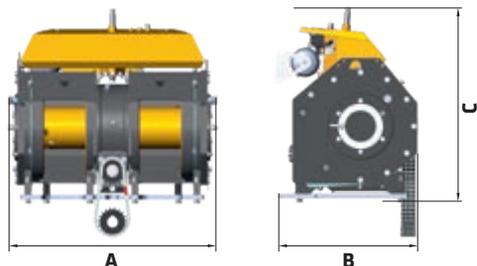
Double pulley.



It is driven by a worm gear, which enables high gear ratios and impact loads. The worm is made of high-alloy steel, is tempered, cemented and ground and the worm wheel is made of special bronze for even greater wear resistance.



The throttle for adjusting the speed of brake release ensures a slower release of tension in the wire rope. This prevents uncontrolled rotation of the drum and subsequent entanglement of the wire rope.



**Winch head 2x75HKpro  
with CONSTANT PULLING FORCE.**



Model		1x75HK	1x75HKpro	1x100H	1x100Hpro	2x75HK	2x75HKpro	2x100H	2x100Hpro
<b>Technical data</b>									
Pulling force	kN	75 constant	75 constant	94	94	75 constant	75 constant	94	94
Braking force	kN	94	94	118	118	94	94	118	118
Average rope speed (540 min <sup>-1</sup> )	m/s	0,6	0,6	0,6	0,6	0,6	0,6	0,85	0,85
Drum capacity – max. rope length/ diameter	m/mm	105/12	105/12	105/12	105/12	105/12	105/12	90/13	90/13
		90/13	90/13	90/13	90/13	90/13	90/13	80/14	80/14
Recommended min. tractor power	kW/HP	60/80	60/80	60/80	60/80	60/80	60/80	60/80	60/80
Revolutions max.	min <sup>-1</sup>	750	750	750	750	750	750	750	750
Operation		Electro-hydraulic							
Drive		Worm gear drive							
Clutch plates	Pcs	6	6	6	6	6	6	6	6
Width (A)	mm	544	544	544	544	840	840	840	840
Depth (B)	mm	610	610	610	610	660	660	660	660
Height (C)	mm	755	755	755	755	800	800	800	800
Weight without wire rope	kg	310	345	310	345	420	490	420	490
<b>Additional equipment</b>									
Remote control		o	o	o	o	o	o	o	o
Unwinding device		/	•	/	•	/	•	/	•
Smart 3in1		/	•	/	•	/	•	/	•
Valve to ensure constant tension of the wire rope		/	•	/	•	/	•	/	•
Speed regulation for unwinding device		/	•	/	•	/	•	/	•
Adjustable brake release speed		•	•	•	•	•	•	•	•
Winch mounting plate		•	•	•	•	•	•	•	•

• - Standard, o - Option, / - Not possible



Can be installed at the front or rear of  
all tractor types with at least 80 hp.

PROFI FORESTRY WINCHES

# FORESTRY TRACTOR WITH FORESTRY WINCH

- Double-drum winch head 2x100H





# Forestry winches PREMIUM

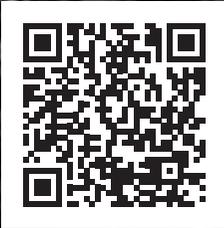
The PREMIUM forestry winches are indispensable partners for occasional logging. They are technologically sophisticated, which ensures ease of use and low maintenance costs. Its distinctive design combines strong, stable construction with diagonal lines and high usability.

## M SERIES

35M | 45M | 45MR | 55M | 55MR | 85MR

## H SERIES

45H | 45Hpro | 55H | 55Hpro | 65H/HF |  
65Hpro/HFpro | 85H | 85Hpro | 95Hpro



# Common features of PREMIUM forestry winches



## IN-HOUSE SOLUTION



## LARGE STORAGE SPACES

Plenty of room at the front of the butt plate to keep the dirt from the tractor wheels away from the chains and other accessories.



## FOLDABLE WINDOW GUARD

A foldable window guard for easier transport.



## LOCKING SAFETY PIN

1. Bolt for securing the wire rope on the lower pulley.
2. Magnet to secure the forestry pulley during transport.



## SIMPLE MOUNTING

A simple and quick attachment of the winch frame on the tractor. When not in use, the mounting pin can be attached to the winch frame.



## DISC SPRINGS

Disc springs enable safe, sensitive clutch start and stop. (85MR, 55H/Hpro).



## ADDITIONAL HOLDERS

1. Holder for chainsaw
2. and pickaxe



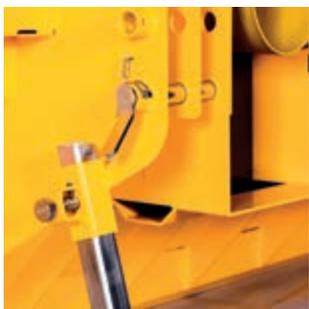
**Guarantee a long service life:**



A multi-plate clutch made of thick sheet steel prevents wear.

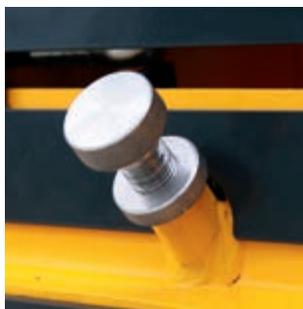


Sealed ball bearings (FAG) ensure uninterrupted unwinding and winding of the wire rope; no lubrication is required.



**DIFFERENT HEIGHTS**

Two different heights of attachment with reliable protection preventing the linkage mounting pins from falling out (support leg attachment).



**PRECISE ADJUSTMENT**

Easy and precise adjustment of the prebrake.



**COMPACT BUTT PLATE**

Robust butt plate, reinforced on the underside with wear-resistant flat steel.

## FORESTRY WINCHES PREMIUM

# M SERIES

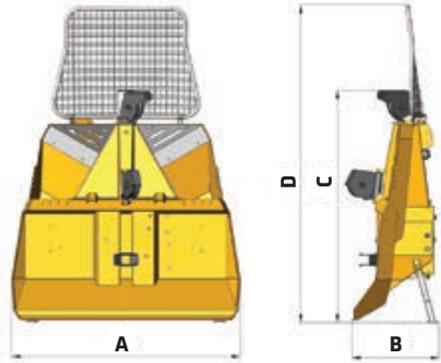
The M series includes the **PREMIUM** forestry winches with mechanical operation from 3.5 to 8.5 tonnes.

- ▶ Distinctive design with ergonomic shape
- ▶ State-of-the-art technical solutions
- ▶ Compact construction



1. An automatic switch-on device and control mechanism concealed in the frame of the winch and thus protected from the weather.
2. Only 60 cm of hand cord is required to fully engage the clutch.
3. A lower force is required to switch off the brake or to achieve full pulling force.





Model		35M	45M	45MR	55M	55MR	85MR
<b>Technical data</b>							
Pulling force	kN	35	45	45	55	55	85
Braking force	kN	44	56	56	69	69	106
Average rope speed (540 min <sup>-1</sup> )	m/s	0,9	0,9	0,6	0,9	0,6	0,6
Drum capacity - max. rope length/diameter	m/mm	90/9	110/10	110/10	110/10	110/10	100/12
		75/10	90/11	90/11	90/11	90/11	80/13
		-	-	-	75/12	75/12	-
Standard rope length/diameter	mm	70/9	70/10	70/10	70/11	70/11	80/13
Recommended min. tractor power	kW	11-33	37-50	37-50	40-55	40-55	min. 50
	HP	16-45	50-68	50-68	54-75	54-75	min. 68
Revolutions max.	min <sup>-1</sup>	540	540	540	540	540	540
Linkage category		I, II	II, III				
Operation		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Clutch plates	Pcs	1	3	3	3	3	3
Width (A)	mm	1200	1490	1490	1590	1590	1800
Depth (B)	mm	450	490	490	490	490	780
Height (C)	mm	1160	1400	1400	1480	1480	1800
Height with window guard (D)	mm	2000	2170	2170	2300	2300	2300
Weight without wire rope	kg	232	361	371	375	385	571
<b>Additional equipment</b>							
Lower pulley		•	•	•	•	•	•
Trailer linkage		○	•	•	•	•	•
Foldable window guard		•	•	•	•	•	•
Chainsaw holder		•	•	•	•	•	•
Pickaxe holder		•	•	•	•	•	•

• - Standard, ○ - Option, / - Not possible

## FORESTRY WINCHES PREMIUM

# H SERIES

The H series includes **PREMIUM** forestry winches with hydraulic operation from 4.5 to 9.0 tonnes. A special feature of this series is a three-point winch for front and rear attachment with a pulling force of 6.5 tonnes.

- ▶ Distinctive design with ergonomic shape
- ▶ State-of-the-art technical solution
- ▶ Compact construction
- ▶ Hydraulic winches with speed reduction
- ▶ Winch for front and rear attachment



## UNIFOREST CONNECT

Active winch diagnostics in real time



Package with  
Terra FA5-D1P UNI

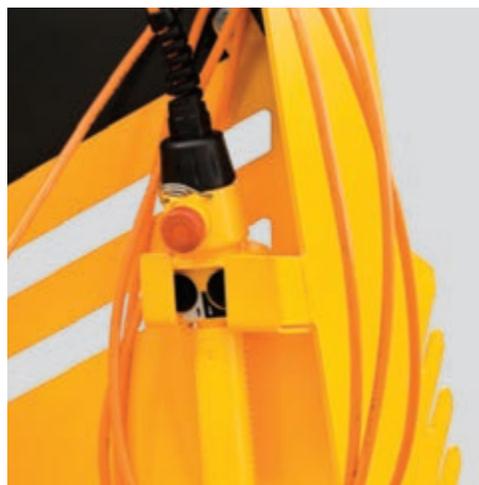




**IN-HOUSE SOLUTION**

**UNWINDING THE WIRE ROPE**

For easier unwinding of the wire rope, a winch with an integrated unwinding device can be selected. The unwinding device is guided by electronics and optimally controls the hydraulic system. This type of winch also guarantees a constant tension of the wire rope between the unwinding pulley and the drum, thus preventing damage to the drum or pulley and enabling a longer service life.



The control console allows the brake to be switched off in pulse or continuous mode (KWF certificate).



**Longer service life of the winch:**

HAWE electromagnetic control valves with high pressure filter in the control block. Hydraulic components are galvanically corrosion protected. Oil tank is made of stainless steel. They are located in the frame of the winch and are therefore protected from damage and the weather.



- The hydraulic pump is gear driven.
- A high-pressure oil filter prevents dirt from entering the hydraulic block.



**Longer service life of the winch:**

- Pressure relief brake ensures the wire rope to be wound tightly onto the drum.
- The control electronics ensure that the wire rope is tensioned during unwinding.
- Speed adjustment of the unwinding of the wire rope according to customer requirements and area.



65HF | 65HFpro



65HF | 65HFpro



The **65HF** and **65HFpro** three-point winches are equipped for front and rear operation. The **65HFpro** has an unwinding device with in-feed brake as standard equipment.

**For front installation:**

Drive via lower PTO drive (rotation to the left **1000 min<sup>-1</sup>**).

**For rear installation:**

Drive via upper PTO drive (rotation to the right **540 min<sup>-1</sup>**).



95Hpro

A hydraulically folding butt plate enables easier handling and timber stacking thanks to the low centre of gravity.



AUTO STOP

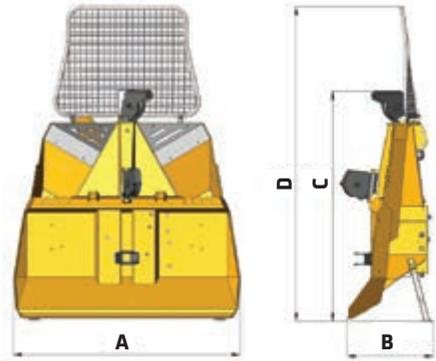
The **AUTO STOP FUNCTION** (limit switch) automatically stops the winding the wire rope on the drum. The function prevents mechanical damage to the unwinding device, entanglement and wire rope damage.



**SMART 3IN1 SOLUTION**

- 1 When pulling logs while driving the tractor, you may encounter an obstacle (elevation, roots). If the tractor is not able to overcome these obstacles, the unwinding function can be switched into the mode without the assistance of the unwinding device and you can continue driving with a taut wire rope between the winch and the load.
- 2 The unwinding device can be switched on and off without delay (the standard model has a 1.5-sec. delay).
- 3 The SMART 3in1 function ensures additional tension of the wire rope between the unwinding pulley and drum.

The SMART 3in1 function is only available with the Terra funk remote controller and manual console.



Model		45H	45Hpro	55H	55Hpro	65H	65HF	65Hpro	65HFpro	85H	85Hpro	95Hpro
<b>Technical data</b>												
Pulling force	kN	45	45	55	55	65	65	65	65	85	85	90
Braking force	kN	56	56	69	69	81	81	81	81	106	106	112
Average rope speed (540 min <sup>-1</sup> )	m/s	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Drum capacity - max. rope length/diameter	m/mm	110/10	110/10	110/10	110/10	120/11	120/11	120/11	120/11	120/12	120/12	90/13
		90/11	90/11	90/11	90/11	100/12	100/12	100/12	100/12	100/13	100/13	75/14
		-	-	75/12	75/12	-	-	-	-	-	-	-
Standard rope length/diameter	mm	70/10	70/10	70/11	70/11	80/12	80/12	80/12	80/12	90/13	90/13	75/14
Recommended tractor power	kW	37-50	37-50	40-55	40-55	45-70	45-70	45-70	45-70	min. 50	min. 50	min. 55
	HP	50-68	50-68	54-75	54-75	61-95	61-95	61-95	61-95	min. 68	min. 68	min. 74
Revolutions max.	min <sup>-1</sup>	540	540	540	540	540	540/front 1000	540	540/front 1000	540	540	540
Linkage category		I,II	I,II	I,II	I,II	II,III						
Operation		Electro-hydraulic										
Clutch plates	Pcs	3	3	3	3	3	3	3	3	3	3	3
Butt plate width (A)/weight without wire rope	mm/kg	1490/395	1490/421	1590/409	1590/435	1685/564	1685/567	1685/575	1685/578	1800/613	1800/624	-
		-	-	1800/426	1800/453	1800/584	1800/587	1800/595	1800/598	2000/639	2000/649	-
Hydraulically adjustable butt plate (A)/weight without wire rope	mm/kg	-	-	-	-	-	-	-	-	-	-	2000/744
Depth (B)	mm	490	490	490	490	750	750	750	750	780	780	780
Height (C)	mm	1500	1500	1580	1580	1800	1800	1800	1800	1800	1800	1800
Height with window guard (D)	mm	2170	2170	2300	2300	2300	2300	2300	2300	2300	2300	2300
<b>Additional equipment</b>												
Remote control		Package										
Unwinding device		/	•	/	•	/	/	•	•	/	•	•
Smart 3in1		/	•	/	•	/	/	•	•	/	•	•
AUTO STOP		o	•	o	•	o	o	•	•	o	•	•
Valve to ensure constant tension of the wire rope		/	•	/	•	/	/	•	•	/	•	•
Speed regulation for unwinding device		/	o	/	•	/	/	•	•	/	•	•
Lower pulley		•	•	•	•	•	•	•	•	•	•	•
Trailer linkage		•	•	•	•	•	•	•	•	•	•	•
Foldable window guard		•	•	•	•	•	•	•	•	•	•	•
Chainsaw holder		•	•	•	•	•	•	•	•	•	•	•
Pickaxe holder		•	•	•	•	•	•	•	•	•	•	•

• - Standard, o - Option, / - Not possible

# Forestry winches STANDARD

The STANDARD forestry winches feature a chain drive and are designed for users who occasionally need a winch for handling smaller volumes of wood.

## E SERIES

30E | 40ECO | 40E | 40ER | 50ECO | 50E | 50ER | 70E

## EH SERIES

40EH | 40EHpro | 50EH | 50EHpro |  
60EH | 60EHpro | 80EH | 80EHpro



## Common features of STANDARD forestry winches



### PROTECTION MECHANISM

Lower pulley with a magnet and mechanism to prevent wire rope from falling out.



### ADDITIONAL HOLDERS

Axe, pickaxe and chainsaw holder.



### DIFFERENT HEIGHTS

Two different heights of attachment with reliable protection preventing the linkage mounting pins from falling out (support leg attachment).



#### IN-HOUSE SOLUTION



#### LARGE STORAGE SPACES

Plenty of room at the front of the butt plate to keep the dirt from the tractor wheels away from the chains and other accessories.



#### FOLDABLE WINDOW GUARD

A foldable window guard for easier transport.



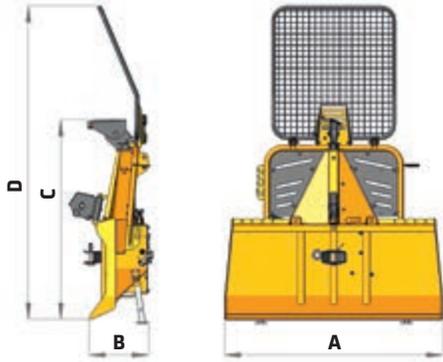
## FORESTRY WINCHES STANDARD

# E SERIES

The E series comprises the **STANDARD** winches with mechanical operation from 3 to 7 tonnes.

- ▶ Storage compartments with integrated chain racks at the front of the winch
- ▶ Foldable window guard
- ▶ Adjustable support leg with safety pin





Model		30E	40eco	40E	40ER	50eco	50E	50ER	70E
<b>Technical data</b>									
Pulling force	kN	30	40	40	40	50	50	50	70
Braking force	kN	38	50	50	50	63	63	63	88
Average rope speed (540 min <sup>-1</sup> )	m/s	0,85	0,9	0,9	0,6	0,9	0,9	0,6	0,6
Drum capacity – max. rope length/diameter	m/mm	65/9	75/10	100/10	100/10	100/10	100/10	100/10	120/11
		-	60/11	85/11	85/11	90/11	90/11	90/11	100/12
		-	-	-	-	75/12	75/12	75/12	-
Standard rope length/diameter	mm	50/9	60/10	70/10	70/10	60/11	70/11	70/11	80/12
Recommended min. tractor power	kW	11-25	11-33	22-40	22-40	22-40	33-50	33-50	40-66
	HP	16-34	16-45	30-54	30-54	30-54	45-70	45-70	55-90
Revolutions max.	min <sup>-1</sup>	540	540	540	540	540	540	540	540
Linkage category		I	I, II						
Operation		Mechanical							
Width (A)	mm	1000	1375	1400	1400	1400	1500	1500	1600
Depth (B)	mm	420	450	480	480	480	480	480	650
Height (C)	mm	1060	1160	1315	1315	1315	1430	1430	1640
Height with window guard (D)	mm	2000	2000	2000	2000	2000	2300	2300	2300
Weight without wire rope	kg	180	229	331	337	303	366	372	508
<b>Additional equipment</b>									
Lower pulley		/	o	•	•	•	•	•	•
Trailer linkage		o	o	•	•	o	•	•	•
Foldable window guard		/	•	•	•	•	•	•	•
Chainsaw holder		/	•	•	•	•	•	•	•
Pickaxe holder		/	•	•	•	•	•	•	•

• - Standard, o - Option, / - Not possible

## FORESTRY WINCHES STANDARD

# EH SERIES

The EH series offers **STANDARD** forestry winches with electro-hydraulic control, available in capacities from 4 to 8 tonnes.

- ▶ More storage space for forestry chains at the front of the winch
- ▶ Swivelling window guard
- ▶ Feet with safety pin



Hydraulic accessories with many advantages:

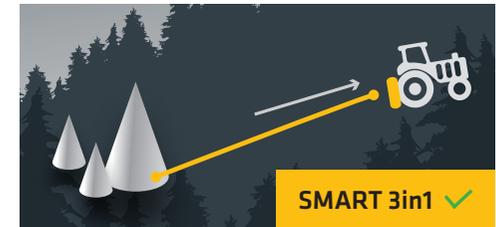
- integrated system for tightly winding the wire rope,
- valve for adjusting the speed of the wire rope unwinding,
- integrated high-pressure filter in the control block,
- valve for slow opening of the brake cylinder.

### Package with Terra FA5-D1P UNI

\*except models 40EH and 40EHpro



SMART 3in1 ✗

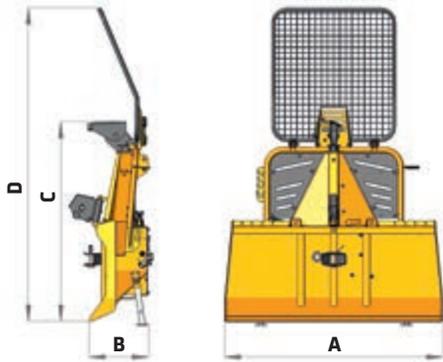


SMART 3in1 ✓

### SMART 3IN1 SOLUTION

- 1 When pulling logs with a tractor, you may encounter some obstacles on the road (hill, roots etc.). If the tractor is not able to overcome these obstacles, the unwinding function can be switched into the mode without the assistance of the unwinding device and you can continue driving with a taut wire rope between the winch and the load.
- 2 The unwinding device can be turned on and off without delay (the standard model has a 1.5-sec. delay).
- 3 The Smart 3in1 function ensures additional tension of the wire rope between the unwinding pulley and drum.

The SMART 3in1 function is only available with the Terra funk remote controller and manual console.



### UNWINDING THE WIRE ROPE

For easier unwinding of the wire rope, a winch with an integrated unwinding device can be selected. The unwinding device is guided by electronics and optimally controls the hydraulic system. This type of winch also guarantees a constant tension of the wire rope between the unwinding pulley and the drum, thus preventing damage to the drum or pulley and enabling a longer service life.

### IN-HOUSE SOLUTION

### AUTO STOP

The AUTO STOP FUNCTION (limit switch) automatically stops the winding the wire rope on the drum. The function prevents mechanical damage to the unwinding device, entanglement and wire rope damage.



Model		40EH	40EHpro	50EH	50EHpro	60EH	60EHpro	80EH	80EHpro
<b>Technical data</b>									
Pulling force	kN	40	40	50	50	60	60	80	80
Braking force	kN	50	50	63	63	75	75	100	100
Average rope speed (540 min <sup>-1</sup> )	m/s	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Drum capacity - max. rope length/diameter	m/mm	100/10	100/10	110/10	100/10	120/11	120/11	120/12	120/12
		85/11	85/11	90/11	90/11	100/12	100/12	100/13	100/13
		-	-	75/12	75/12	-	-	-	-
Standard rope length/diameter	mm	70/10	70/10	70/11	70/11	80/12	80/12	90/13	90/13
Recommended min. tractor power	kW	22-40	22-40	40-55	40-55	40-66	40-66	min. 50	min. 50
	HP	30-54	30-54	54-75	54-75	55-90	55-90	min. 68	min. 68
Revolutions max.	min <sup>-1</sup>	540	540	540	540	540	540	540	540
Linkage category		I, II	I, II	I, II	I, II	II, III	II, III	II, III	II, III
Operation		Electro-hydraulic							
Width (A)	mm	1500	1500	1600	1600	1600	1600	1800	1800
Depth (B)	mm	480	480	490	490	650	650	650	650
Height (C)	mm	1315	1315	1480	1480	1640	1640	1650	1650
Height with window guard (D)	mm	2000	2000	2300	2300	2300	2300	2300	2300
Weight without wire rope	kg	366	375	409	418	538	549	580	591
<b>Additional equipment</b>									
Remote control		○	○	Package	Package	Package	Package	Package	Package
Unwinding device		/	●	/	●	/	●	/	●
Smart 3in1		/	○	/	○	/	○	/	○
AUTO STOP		○	○	○	○	○	○	○	○
Valve to ensure constant tension of the wire rope		/	●	/	●	/	●	/	●
Speed regulation for unwinding device		/	●	/	●	/	●	/	●
Lower pulley		●	●	●	●	●	●	●	●
Trailer linkage		●	●	●	●	●	●	●	●
Foldable window guard		●	●	●	●	●	●	●	●
Chainsaw holder		●	●	●	●	●	●	●	●
Pickaxe holder		●	●	●	●	●	●	●	●

● - Standard, ○ - Option, / - Not possible

# Auxiliary winch



Carrying or pulling the steel wire rope from the tractor to the worksite is often an additional strain. Especially when logging in challenging terrain, forestry workers need “extra power” in the form of the 6HWpro auxiliary winch, which is designed for mounting on Uniforest forestry winches. The auxiliary winch is also compatible with TERRA remote controls.

**AUXILIARY WINCH**  
6HWpro

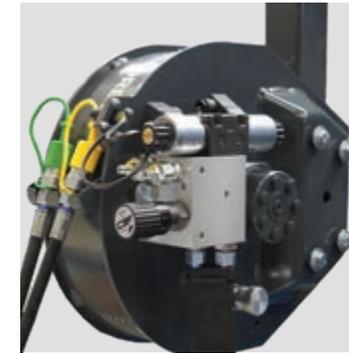


## AUXILIARY WINCH

# 6HWPRO

The 6HWpro is optimised for installation and use with Uniforest forestry winches, allowing control of both the main and auxiliary winch with a single remote. With proper adaptation of the main winch, it is also compatible with other hydraulic winches.

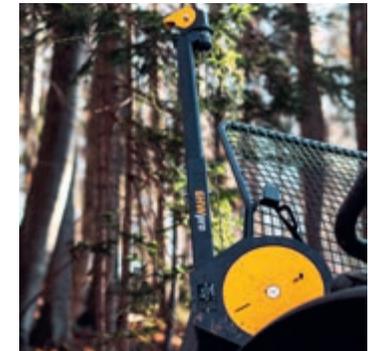
- ▶ Durable materials and high-quality components for low maintenance costs and longer machine life.
- ▶ Maximum loop length of the synthetic rope: 350 m (170 m of working radius).
- ▶ Control of the forestry and auxiliary winch with one remote control.
- ▶ Optional winding/unwinding speed adjustment.
- ▶ Design and function optimised for use on Uniforest forestry winches.



The separate hydraulic block enables the winding/unwinding speed to be adjusted. Hoses are coupled to the tractor (driven via tractor hydraulics).



Bracket for quick replacement.



Telescopic arm that can be extended to a height suitable for the work.



Precise adjustment of the prebrake.

### Model 6HWpro

#### Technical data

Pulling force	kN	6
Rope medium speed (at Q=50 l/min)	m/s	2,9
Drum capacity – max. rope length/diameter	m/mm	350/4,1
Min. breaking force	kN	15
Required hydraulic oil flow	l/min	20
Max. hydraulic oil flow rate	l/min	80
Operation		hydraulic
Weight without wire rope	kg	50
Weight of the synthetic rope (350 m)	kg	4
Depth	mm	220
Width	mm	500
Height (in transport position)	mm	940
Height (in working position)	mm	1420
Drum height	mm	400

#### Additional equipment

Rope winding/unwinding speed regulation	•
Synthetic rope (350 m)	○
Sling	○
Carabiner	○
Pulley	○

• - Standard, ○ - Option



The remote controls for Uniforest winches are also available with optional functions for the auxiliary winch. The old Terra remote controls can be retrofitted. Please contact your dealer for further information.

# Skyline system

The Cobra skyline system was developed for logging in difficult, inaccessible areas. For this very reason, it is easy to install and can be adapted to the terrain. Our skyline system supports safe and ergonomic timber handling with only two operators required.

## SKYLINE SYSTEM

COBRA 450-25G | COBRA 600-30U

## CARRIAGE

LOGJET 25G | LOGJET 30U

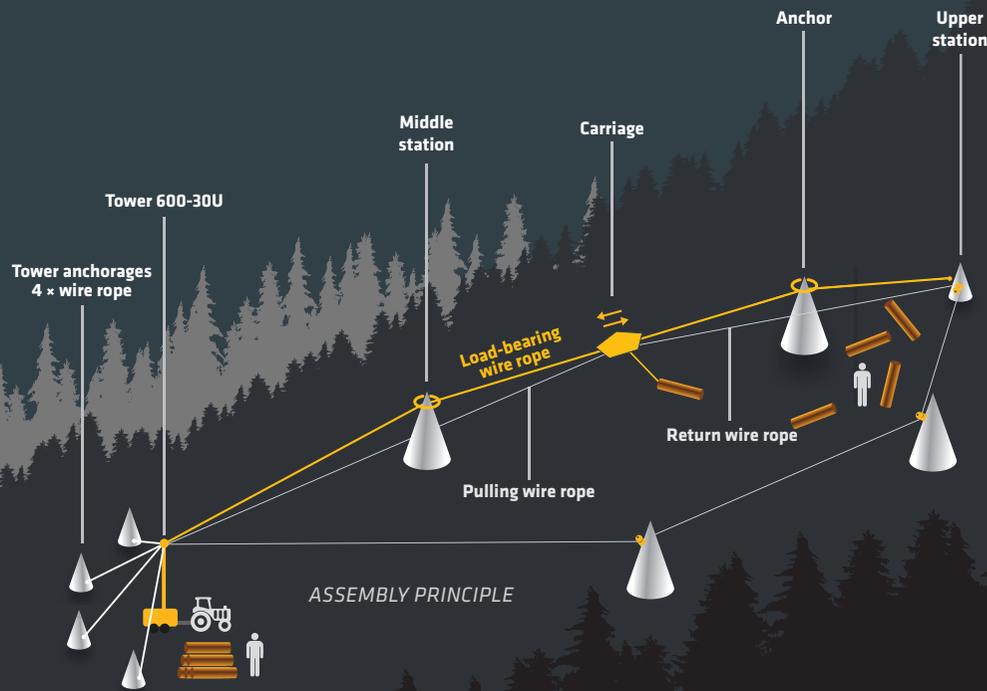




## SKYLINE SYSTEM

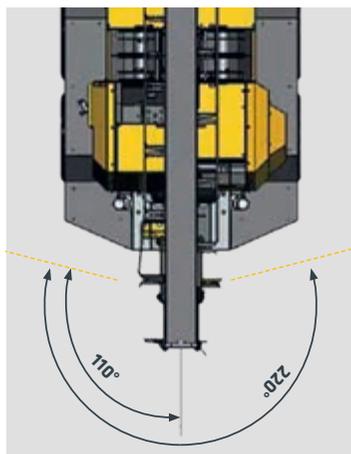
# COBRA 600-30U

The Skyline system enables professional log skidding with minimal impact on the undergrowth. With the Uniforest Cobra 600-30U, you can transport timber up to 600 metres. The system allows fully automated carriage movement. Operators can quickly set and store lower and upper end points, along with intermediate support positions. The carriage automatically adjusts its speed or stops when descending, pulling, or passing supports. An audible alert signals the carriage's arrival, and the tower offers a 220° working range – 110° to each side





The tower is stabilised by four remote-controlled support lines. Each support line has its hydraulic-driven drum with a 60-m-long and 16-mm-thick cable. The unwinding device ensures that the cable between the drum and the top of the tower remains tightened and makes unwinding easier. Drums of the load-bearing and towing line are powered by hydraulic motors with integrated brakes, and they are powered by an adjustable flow pump that allows variable speeds.



### WORKING AREA

The operator can effectively cover a 420-metre-long area extending 110 degrees to the left and 110 degrees to the right behind the tractor.



### DISPLAY OF THE PRESSURES IN THE ENTIRE SYSTEM.



### SET-UP AND CONTROL

Comprehensive control panel for complete control over the system.



### WIDE-RANGE ANTENNA

Allows us to cover the whole working area of the Skyline System.



### TWO REMOTE CONTROLS

Two remote controls, each of which controls the entire system (tower and carriage).



### SYNTHETIC MOUNTING ROPE

Mounting rope is used for easier transport of the wire rope and other utilities uphill. When making a loop, the operator mounts the mounting rope first to avoid carrying a long and heavy cable/wire rope in difficult terrain.



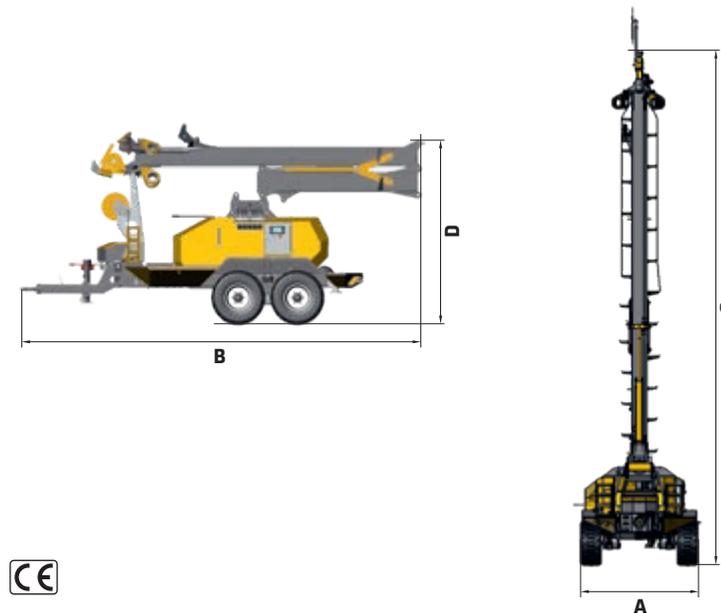
### Z-SHAPED FOLDABLE TOWER

The low transport height thanks to the Z-shaped foldable tower (3 m in transport position and 9.5 m in working position) improves mobility.



### CONVENIENT FOR TRANSPORT

Tower on a compact and lightweight trailer with wheels, which enables easy transport and quick assembly of the system on the construction site.



### Model 600-30U

Technical data		
Pulling force	kN	30
Tension of the load-bearing wire rope	kN	75
Load-bearing wire rope length/diameter	m/mm	600/16
Load-bearing wire rope speed	m/s	0-3
Pulling wire rope length/diameter	m/mm	1200/9
Pulling wire rope speed (800 min <sup>-1</sup> )	m/s	0-8
Return wire rope length/diameter	m/mm	1200/8
Return wire rope speed (800 min <sup>-1</sup> )	m/s	0-8
Mounting wire rope length/diameter (m/mm)	m/mm	1200/6
Mounting wire rope speed (800 min <sup>-1</sup> )	m/s	0-8
Number of anchorages	Pcs	4
Tension force of anchor wire rope	kN	15
Anchorage wire rope length/diameter	m/mm	4 × 60/16
Working area	°	220
Recommended min. tractor power for transport	HP	>120
Recommended min. tractor power for drive	kW/HP	89/120
Revolutions max.	min <sup>-1</sup>	800
Linkage category		II, III
Operation		Electro-hydraulic
Width (A)	mm	2245
Length in transport position (B)	mm	6500
Tower height (C)	mm	9500
Height in transport position (D)	mm	3000
Weight without wire rope	kg	7500
Tyre dimensions		400/60-15,5 18PR

### Additional equipment

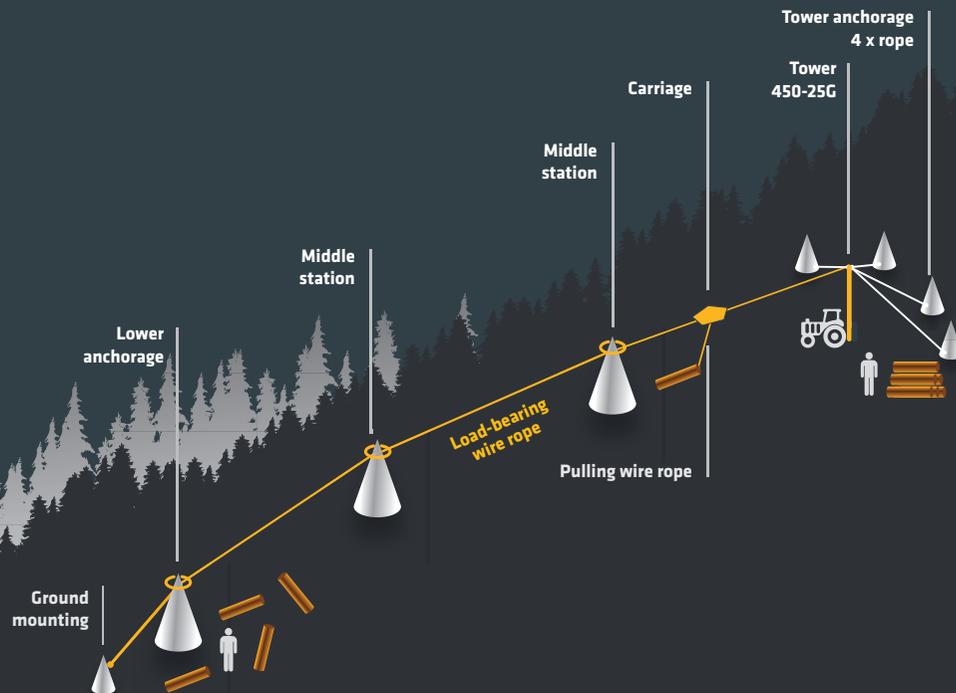
Remote control	•
Unwinding device	•

• - Standard, ◦ - Option, / - Not possible

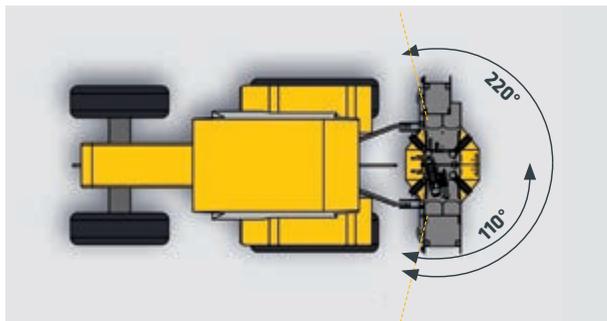
## SKYLINE SYSTEM

# COBRA 450-25G

The system enables automated carriage travel. The user easily sets and saves any lower / upper end station and intermediate support positions. This way, the carriage's speed automatically slows down or stops both when descending and pulling, as well as when passing intermediate supports. The electronically controlled hydraulic system of the pulling and load-bearing drum ensures soft acceleration and deceleration of the pulling and load-bearing cable, thereby moving the carriage smoothly. When the carriage arrives at the upper station, the operator is warned that the load has arrived by a sound signal.



**ONLY TWO OPERATORS ARE REQUIRED TO WORK WITH THE SKYLINE SYSTEM**



### WORKING AREA:

The operator can effectively cover a 420-metre range of 110 degrees to the left/right behind the tractor.

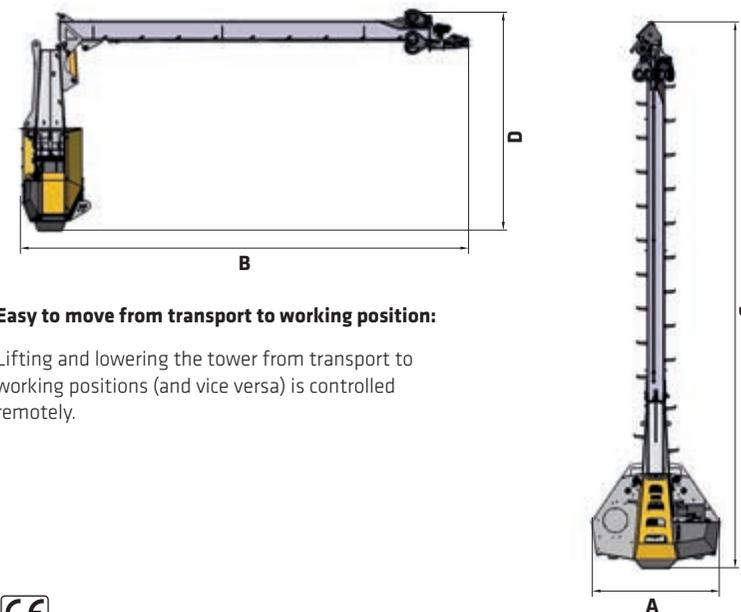


### TWO REMOTE CONTROLS,

each of which controls the entire system (tower and carriage).



- 1 The tower is stabilised by four remote-controlled support lines. Each support line has its hydraulic-driven drum with a 60-m-long and 14-mm-thick wire rope.
- 2 The unwinding device ensures that the wire rope between the drum and the top of the tower remains tightened and makes unwinding the pulling wire rope easier.
- 3 Drums of the load-bearing and towing line are powered by hydraulic motors with integrated brakes, and they are powered by an adjustable flow pump that allows variable speeds.



### Easy to move from transport to working position:

Lifting and lowering the tower from transport to working positions (and vice versa) is controlled remotely.



Model	450-25G	
-------	---------	--

Technical data		
Pulling force	kN	25
Tension of the load-bearing wire rope	kN	75
Load-bearing wire rope length/diameter	m/mm	470/16 410/18
Load-bearing wire rope speed	m/s	0-3
Pulling wire rope length/diameter	m/mm	500/9
Pulling wire rope speed (800 min <sup>-1</sup> )	m/s	0-8
Number of anchorages	Pcs	4
Tension force of anchor wire ropes	kN	15
Anchorage wire rope length/diameter	m/mm	4 x 60/16
Working area	°	220
Recommended min. tractor power for transport	HP	>120
Recommended min. tractor power for drive	kW/HP	89/120
Revolutions max.	min <sup>-1</sup>	800
Linkage category		II, III
Operation		Electro-hydraulic
Width (A)	mm	2365
Length in transport position (B)	mm	7210
Tower height (C)	mm	9540
Height in transport position (D)	mm	3400
Weight without wire rope	kg	3487

Additional equipment	
----------------------	--

Remote control	•
Unwinding device	•

• - Standard, ◦ - Option, / - Not possible

## CARRIAGE

# LOGJET

The LOGJET electro-hydraulic carriage has a high load capacity compared to its overall weight. Its sophisticated design with an ergonomic shape ensures smooth movement through branches.

- ▶ High load capacity in proportion to the overall weight
- ▶ The carriage is controlled by 2 operators (each has their own remote control)
- ▶ Lower and upper stations are required
- ▶ The design of the carriage prevents the suppression of branches



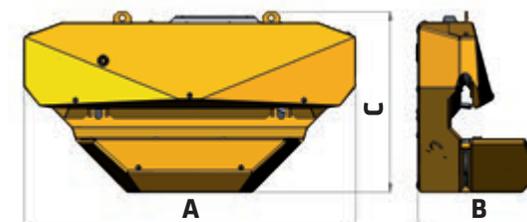
LOGJET 25G



## LOGJET 30U

The U30 carriage, with a pulling force of 30 kN and a pulling rope length of 80 metres, can be used in:

1. the universal system (3 ropes) or
2. the gravity system (2 ropes).



Model		25G	30U
<b>Technical data</b>			
Load capacity	kN	25	30
Pulling wire rope diameter	mm	8-10	8-10
Load-bearing wire rope diameter	mm	14-18	14-18
Operation		Electro-hydraulic	Electro-hydraulic
Length (A)	mm	1180	1150
Width (B)	mm	430	470
Height (C)	mm	600	950
Weight	kg	180	280
<b>Additional equipment</b>			
Remote controller with two transmitters		•	•
Speed sensor		•	•
Battery-saving sensor		•	•
System pressure sensor		•	•
Support saddle for middle station		o	o

• - Standard, o - Option, / - Not possible



## REMOTE CONTROLLER

# TERRA FUNK

The Terra Funk remote controllers are optimally compatible with Uniforest forestry winches.

terra  
funk

The remote controls for Uniforest winches are also available with optional functions for the auxiliary winch. The old Terra remote controls can be refitted. Please contact your dealer for further information.



**SMART BATTERY CHARGER SBC-250 FOR FA5**

- Charging voltage: 12 V or 24 V
- suitable for FA5 models



**MECHANICAL THROTTLE REGULATION**

For Terra Funk



**Terra FA5-UNI**



**ALPHA6 UNI by TERRA**



**ALPHA7 UNI by TERRA**

## UNILINK

### THE NEW GENERATION OF REMOTE CONTROLS

The new UNILINK series replaces almost all previous single-drum models in the PROFi series (GX, GKX, Gpower). The designations are based on the functions:

- K = Antkipp
- A = Proportional brake
- H = Auxiliary winch



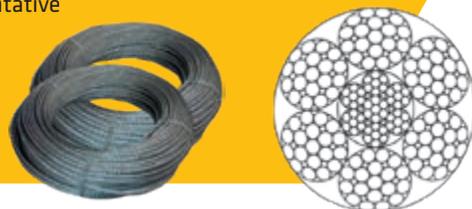
**UNILINK by TERRA**

Model		TERRA FA5 UNI	UNILINK by TERRA	ALPHA6 UNI by TERRA	ALPHA7 UNI by TERRA
<b>Technical data</b>					
Suitable for		Single-drum winch	Single-drum winch	Single/double-drum winch	Double drum winch
Range (approx.)	m	500	500	500	500
Frequency	MHz	433, 875-434, 650	433, 875-434, 650	433, 875-434, 650	433, 875-434, 650
Number of functions (max.)		8	8	13	13
Operating voltage	V	12	12	12	12
Capacity of the rechargeable battery/batteries	mA	600	600	600	600
Type of protection		IP65	IP65	IP65	IP65
<b>Additional equipment</b>					
Throttle regulation - mechanical		•	•	•	•
Motor START/STOP		•	•	•	•
PTO switch on		•	•	•	•
SMART 3in1		•	•	•	•
Overturn protection of the tractor (overturn protection with electr. throttle adjustment)		o	o	o	o
Warning sound		•	•	•	•
Emergency call - ARGUS-2		o	o	o	o
Fast charger		o	o	o	o
Charger for tractor		o	o	o	o
Potentiometer for proportional brake		/	o	o (only for single-drum winch)	o
Auxiliary winch		o	o	o (only for single-drum winch)	o

• - Standard, o - Option, / - Not possible

## Steel wire ropes

We offer wire ropes of different length, diameter or breaking force so you may find the ideal wire rope to be fitted with your winch. Explore the various options or consult with your local representative for Uniforest forestry equipment.



Diameter	mm	9	10	11	12	13	14	16
<b>Technical data</b>								
Steel wire rope		6x19	6x19	6x25	6x25	6x25	6x25	6x25
Min. breaking force	kN	92,05	110,47	133,28	152,79	180	210	239
Strength class	N/mm <sup>2</sup>	1960	1960	1960	1960	1960	1960	1960
Weight	kg/m	0,44	0,576	0,669	0,768	0,906	1,04	1,358

## Synthetic ropes

As a lighter alternative to wire rope, we also offer synthetic rope. They are very handy with auxiliary winches. Many forestry professionals also opt to install it as a second pulling rope with double-drum winches from the Profi series.



Model	DYNARED				TEUFELBERGER STRATOS® Winch Pro				
Diameter	mm	10	12	14	16	10,5	12	13	15
Core	mm	-	-	-	-	8	10	11	12
<b>Technical data</b>									
Min. breaking force	kN	92	139	187	235	90	115	135	180
Weight	g/m	50	74	96	128	72	96	124	151

## Forestry chains

Forestry choker chains are an efficient solution when manipulating wood with either a tractor or a Skyline system.



Model	Round (red) ○		Square (blue) □	
	D8-80 GRAD	DV7-100 GRAD	DV8-100 GRAD	
<b>Technical data</b>				
Diameter	mm	8	7	8
Load capacity	kN	40	40	50
Length	m	2,5	2,5	2,5/3
Weight	kg	4,04	3,54	4,54/5,34

## PTO shafts

For PTO-driven forestry machines we offer a selection of PTO shafts.



Model	WALTERSCHEID		MAGDALENA		
	W2300	W2400	1005/800	1035/850	
<b>Technical data</b>					
Cross	mm	27	32	27	32
Length	mm	560	560	800	850
Weight	kg	9	12,7	8,95	13,22
Suitable for winches with a pulling force of	kN	50-55	60-85	30-55	60-85

# Wire rope accessories

## Rotatable end

Model		POK T1	POK T2	POK T3
<b>Technical data</b>				
Load capacity	kN	90	140	60
Suitable for diameter	mm	11-14	12-14	8-10
Suitable for choker chains	mm	6-8	6-10	7-8
Weight	kg	1,56	1,8	1,4

## Parallel hooks

## Sliding hook

Model		KP-7/8-G80	KP-10-G100	KZV 3/2-1/2
<b>Technical data</b>				
Suitable for diameter	mm	8-9	10-13	8-13
Weight	kg	0,29	0,67	0,72

## Slider

## Swivel slider

Model		G80	G100	G80	G100
<b>Technical data</b>					
Suitable for choker chains	mm	7-8	7-8	7-8	7-8
Weight	kg	0,67	0,62	0,72	0,75

# Forestry pulleys

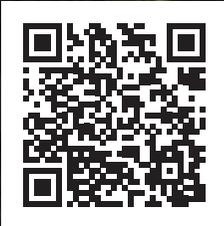
A forestry pulley simplifies work in challenging conditions by redirecting pulling force and balancing wire rope tension when dragging logs.



## POK

Model		100-12	140-18	160-20
<b>Technical data</b>				
Load capacity	kN	40	70	140
Weight	kg	2,6	8,9	7,5





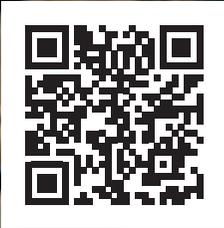
# Transport boxes

QUBUS transport boxes in various sizes are used to facilitate transport operations. The UNIBOX tool storage and transport box is a tractor attachment with a three-point linkage, usually mounted on the front linkage of the tractor.

**TRANSPORT BOX UNIBOX**

**TRANSPORT BOX QUBUS**

180x100 | 180x125 | 200x100 | 200x125 | 220x125



## TOOL STORAGE AND TRANSPORT BOX

# UNIBOX

The UNIBOX tool storage and transport box is a tractor attachment with a three-point linkage, usually mounted on the front linkage of the tractor.

### Standard:

- ▶ Three-point linkage
- ▶ Many compartments with patented vertical dividers and a multi-level shelf
- ▶ Fuel tank holder
- ▶ Additional space on the back
- ▶ Lid with gas springs
- ▶ Lock
- ▶ Safety-reflective labels

### Option:

- ▶ Euro linkage
- ▶ Base vice on a holder



### Model UNIBOX

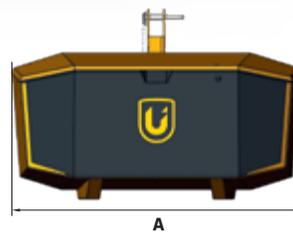
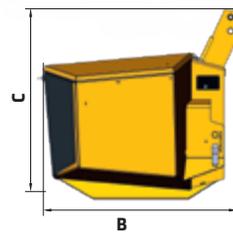
#### Technical data

Linkage category		I, II
Width (A)	mm	1270
Depth (B)	mm	850
Height (C)	mm	825
Weight	kg	140
Load capacity	kg	500

#### Additional equipment

Adjustable shelf	•
Adjustable partition walls	•
Fuel tank holder	•
Euro linkage (front)	○
Vice	○
Gas shock absorbers for the lid	•
Lock	•
Reflective labels	•

• - Standard, ○ - Option, / - Not possible



The compartments are designed for various tools that can be stored and transported safely and neatly.



Store your tools safely and lock them up for added protection.



Safety-reflective labels are integrated into the entire exterior design of the box.



Removable dividers that you can arrange according to your needs and preferences.



Easily adjustable shelf: You can choose between 3 different heights or remove it.



Additional storage space/compartment for forestry chains on the outer rear of the box.

## TP BOXES

# QUBUS

Hydraulic TP boxes QUBUS with foldable rear wall are of various sizes and enable easier transportation.

- ▶ hydraulic TP boxes with double-acting cylinder
- ▶ models with a choice of different widths and lengths
- ▶ different attachment options

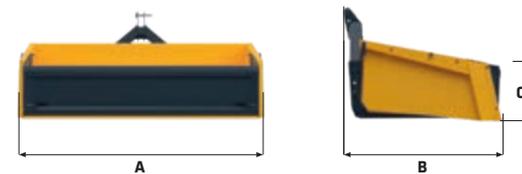


Model		180x100	180x125	200x100	200x125	220x125
<b>Technical data</b>						
Load capacity	kg	2500	3500	2500	3500	3500
Width (A)	mm	1800	1800	2000	2000	2200
Length (B)	mm	1000	1250	1000	1250	1250
Height (C)	mm	600/460	600/460	600/460	600/460	600/460
Recommended min. tractor power	kW	30-45	45-75	30-45	45-75	45-75
	KM	40-60	60-100	40-60	60-100	60-100
Linkage category		I, II, F				
Weight	kg	325	380	335	415	430

### Additional equipment

Foldable rear wall		•	•	•	•	•
Mounting hooks for euro linkage		○	○	○	○	○

• - Standard, ○ - Option, / - Not possible, F - Front linkage possible



# Timber grabs & felling heads

Handling logs requires high-quality, compact equipment that performs reliably in all weather conditions. That's why our timber grabs and grapples are built with excellent corrosion protection and meet these exact demands. The felling head is meant for professional use with municipal utility services or farming/forestry tasks, like cutting thinner trees and branches, tree trimming, embarkment and pasture clearing ... It can be used as a felling head or as crane grabs for wood manipulation. A combination of both is optimal. Switching between the functions is simple.

## **SCORPION PREMIUM**

PREM 1 | PREM 2 | PREM 3 | PREM 4

## **SCORPION**

1800F | 1800BC | 1800BC2 | 1800S | 1300FL

## **WIRE ROPE WINCH WITH REMOTE CONTROL**

SFS 18 PREMIUM | SFS 18 F | SFS 18 S

## **PREMIUM GRABS**

19 PREMIUM | 19EX | 36 PREMIUM

## **GRABS**

1100PRO | 1300PRO | 1500PRO | 1500BM | 1800PRO

## **FELLING HEAD**

RK330 B | RK330 BZ | RK260B | RK260BZ | RK260BR | RK260BRZ |  
RK250K | RK250B





## TIMBER GRABS

# SCORPION PREMIUM

SCORPION PREMIUM is a new generation of high-quality and technologically advanced timber grabs. They enable the user to work safely, quickly and easily. They are designed to provide an overview of the work on the one hand, and durability with reduced maintenance costs on the other.

- ▶ 20 % greater load capacity
- ▶ Refined design
- ▶ Robust construction
- ▶ Only first-class materials are used for production
- ▶ Best anti-corrosion protection
- ▶ All moving parts can be lubricated
- ▶ Low maintenance costs



Hydraulic hoses and cylinders are covered by a robust yet dynamically shaped frame for protection against mechanical damage. This ensures minimal maintenance costs and extends the life of the machine.



GERMAN  
DESIGN  
AWARD  
WINNER  
2020



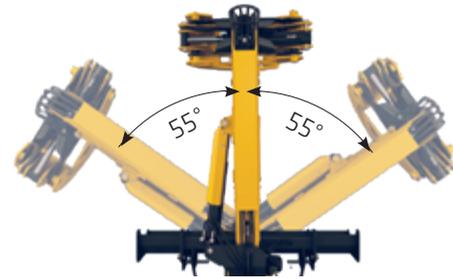
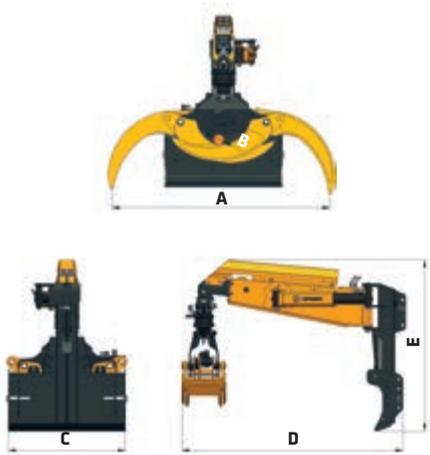
The adjustable sliding system on the telescopic arm helps eliminate the clearance between the sliding plastic and the metal. In addition, the sliding plastic is made of a special material that does not require lubrication.



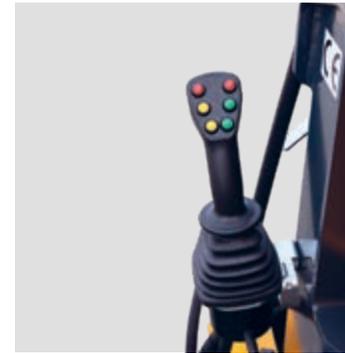
A winch can also be attached to the timber grabs to make it easier to access and manipulate the load.



The control unit is positioned low for a greater overview of the work at hand.



The extendable telescopic frame can be moved 55° to the left or right.



Operation is simple using the joystick.



A shield extension is available for easier ramping.



Model		PREMIUM 1	PREMIUM 2	PREMIUM 3	PREMIUM 4
<b>Technical data</b>					
Max. diameter (A)	mm	1800	1800	1800	1800
Min. diameter (B)	mm	70	70	70	70
Gripping force	kN	95	95	95	95
Telescopic arm extension	mm	/	600	600	/
Hydraulic swivel	°	55 + 55	55 + 55	55 + 55	55 + 55
Grab rotation	°	180	180	360	360
Recommended min. tractor power	kW	60-120	60-120	60-120	60-120
	HP	83-166	83-166	83-166	83-166
Linkage category		I, II	I, II	I, II	I, II
Width (C)	mm	985	985	985	985
Depth (D)	mm	1865	1865	2025	1865
Height (E)	mm	1420	1420	1420	1420
Weight	kg	525	540	565	530
<b>Additional equipment</b>					
Hydraulic swivel		•	•	•	•
Telescopic arm		/	•	•	/
Hydraulic rotator		/	○	•	○
Mechanical rotator		•	•	/	/
Control handle		○	○	•	○
Joystick		○	○	○	○
Shield extension (2x330 mm)		○	○	○	○

• - Standard, ○ - Option, / - Not possible

## TIMBER GRABS

# SCORPION 1800

The SCORPION timber grabs are made from the high-quality material Nicrodur.

- ▶ Fixed frame
- ▶ Robust construction
- ▶ Only first-class materials are used for production
- ▶ High-quality corrosion protection
- ▶ Possible lubrication of moving parts
- ▶ The Scorpion 1800F can be attached to the front or rear of the tractor
- ▶ The Scorpion 1800S can be attached to the rear of the tractor



Swing brake



Electromagnetic switching valve



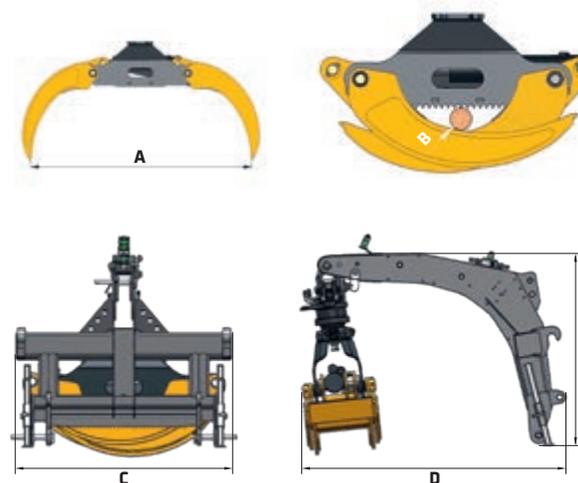
Version with a butt plate

Model		1800F	1800S	1800BC	1800 BC2
<b>Technical data</b>					
Max. diameter (A)	mm	1800	1800	1800	1800
Min. diameter (B)	mm	70	70	70	70
Gripping force	kN	95	95	95	95
Grab rotation	°	360	360	360	360
Recommended min. tractor power	kW	40-90	40-90	40-90	40-90
	HP	55-124	55-124	55-124	55-124
Linkage category		I, II/EURO NORM	I, II	I, II/BOBCAT	BOBCAT
Width (C)	mm	1090	1090	1090	1020
Depth (D)	mm	1308	1308	1308	1400
Height (E)	mm	1145	1145	1145	1050
Weight	kg	357	386	357	345

### Additional equipment

Hydraulic rotator		●	●	●	●
Mechanical rotator		○	○	○	○
Switch valve		○	○	○	○

● - Standard, ○ - Option



## TIMBER GRABS

# SCORPION 1300

The SCORPION 1300 timber grabs can be attached to the front side of the tractor.

- ▶ Fixed frame
- ▶ Robust construction
- ▶ Only first-class materials are used for production
- ▶ Best anti-corrosion protection
- ▶ All movable parts can be lubricated



### Model 1300FL



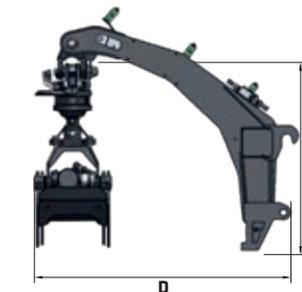
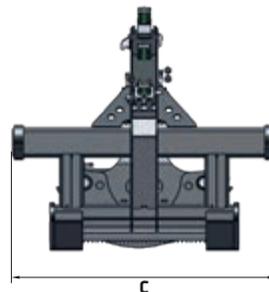
#### Technical data

Max. diameter (A)	mm	1300
Min. diameter (B)	mm	70
Gripping force	kN	85
Grab rotation	°	360
Recommended min. tractor power	kW	40-90
	HP	55-124
Linkage category		EURO NORM
Width (C)	mm	1090
Depth (D)	mm	1050
Height (E)	mm	990
Weight	kg	226

#### Additional equipment

Hydraulic rotator	•
Mechanical rotator	○
Switch valve	○
Shield extension (2x330 mm)	○

• - Standard, ○ - Option



Electromagnetic switching valve



Swing brake

## TIMBER GRABS

# WINCH HEAD FOR TIMBER GRABS

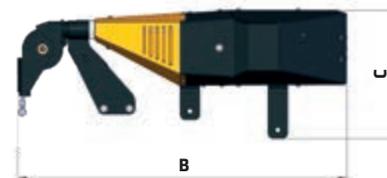
Handling logs is easier if the SCORPION timber grabs are fitted with the SFS18 winch with remote control.

- ▶ Robust construction
- ▶ Can be installed to timber grabs
- ▶ Installation option for timber loading lifts



Model		SFS 18 PREMIUM	SFS 18 F	SFS 18 S
<b>Technical data</b>				
Pulling force	kN	18	18	18
Average rope speed	m/s	0,6	0,6	0,6
Rope diameter	mm	6	6	6
Rope length	m	30	30	30
Operation		Electro-hydraulic	Electro-hydraulic	Electro-hydraulic
Width (A)	mm	310	310	310
Length (B)	mm	1150	1150	1150
Height (C)	mm	450	450	450
Weight	kg	80	80	80
<b>Additional equipment</b>				
Remote control		●	●	●

● - Standard, ○ - Option, / - Not possible

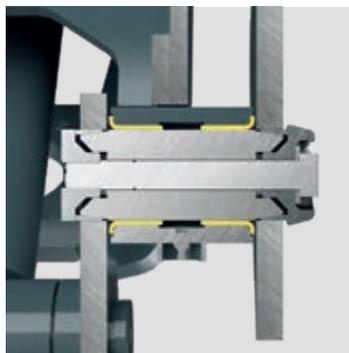


## TIMBER GRABS

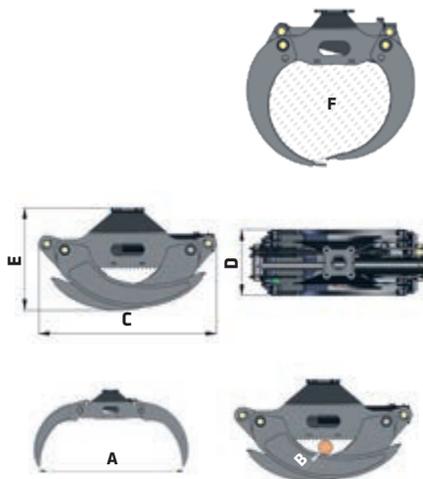
# PREMIUM GRABS

Compact premium grabs with a reinforced design can be attached to forestry cranes and forwarders.

- ▶ Robust construction
- ▶ Only first-class materials are used for production
- ▶ Best anti-corrosion protection
- ▶ All movable parts can be lubricated



The bolt is stabilized by conical sleeves preventing any clearance between the bolt and its housing. All movable elements are fitted with slide bearings with an integrated lubrication system.



Model		19 PREMIUM	19EX	36 PREMIUM
<b>Technical data</b>				
Gripping surface (F)	m <sup>2</sup>	0,19	0,19	0,36
Max. diameter (A)	mm	1273	1273	1530
Min. diameter (B)	mm	80	80	110
Gripping force	kN	14,8	14,8	16,5
Max. working pressure	MPa/bar	23/230	23/230	23/230
Load capacity	kg	4500	6000	6000
Width (C)	mm	810	810	948
Depth (D)	mm	406	456	495
Height (E)	mm	540	565	630
Weight	kg	132	185	220
<b>Additional equipment</b>				
Hydraulic rotator with hoses (for crane)		o	o	o
Hydraulic rotator with hoses (for excavator)		/	o	/
Attachment MS 03 210/10		/	o	/

• - Standard, o - Option, / - Not possible

## TIMBER GRABS

# GRABS

Compact grabs with a reinforced design can be attached to forestry cranes and forestry trailers. Model 1500BM is designed for biomass handling.

- ▶ Robust construction
- ▶ Only first-class materials are used for production
- ▶ Best anti-corrosion protection
- ▶ All movable parts can be lubricated



Tines made from Nicrodur ND400.



1. Wider grabs – robust, double reinforced construction.
2. Built-in slide bearings (excludes 1100PRO).

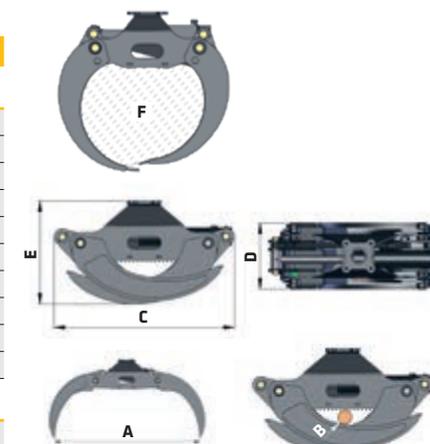


Biomass grabs



Model		1100PRO	1300PRO	1500PRO	1500BM	1800PRO
<b>Technical data</b>						
Gripping surface (F)	m <sup>2</sup>	0,14	0,22	0,35	0,35	0,33
Max. diameter (A)	mm	1100	1300	1500	1500	1800
Min. diameter (B)	mm	50	70	80	95	70
Gripping force	kN	6,6	8,5	9,5	9,5	9,5
Max. working pressure	MPa/bar	20/200	20/200	20/200	20/200	20/200
Load capacity	kg	3000	3000	4500	4500	4500
Width (C)	mm	650	730	928	925	995
Depth (D)	mm	320	320	410	455	370
Height (E)	mm	430	431	529	545	560
Weight	kg	74	96	162	182	204
<b>Additional equipment</b>						
Hydraulic rotator		o	o	o	o	o

● - Standard, o - Option, / - Not possible



## FELLING HEAD

# RK330

The RK330 felling head can be used either as a felling head or as standard grabs for handling logs and branches. Switching between the functions is quick and easy thanks to the shut-off valve.

- ▶ Robust construction
- ▶ RK330BK – Excavator
- ▶ RK330BZ – Excavator with collecting grabs

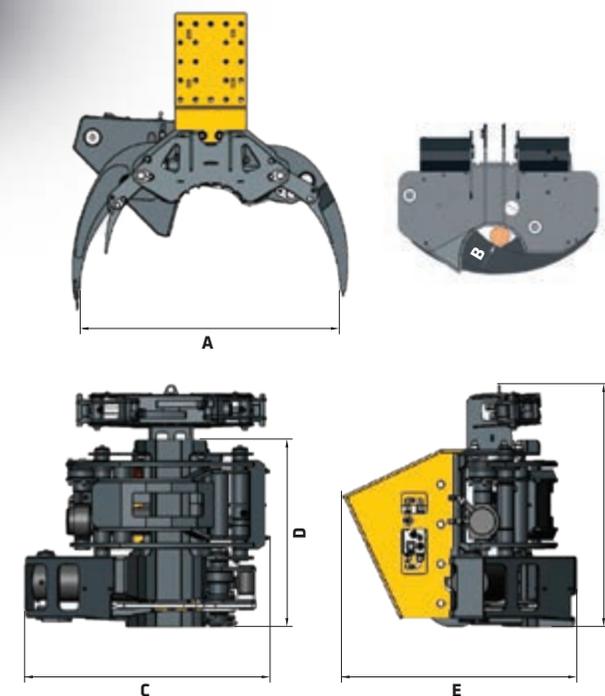


Hardox 500 knife.



Model		RK330 B	RK330 BZ
<b>Technical data</b>			
Max. diameter softwood	mm	330	330
Max. diameter hardwood	mm	280	280
Max. diameter (A)	mm	1200	1200
Min. diameter (B)	mm	70	70
Max. working pressure	MPa/bar	24/240	24/240
Required oil flow rate	l/min	40/80	40/80
Width (C)	mm	1060	1060
Height (D)	mm	800	800
Depth (E)	mm	1000	1000
Height (F)	mm	/	1050
Weight	kg	515	575

B - Excavator, BZ - Excavator with collecting grabs



## FELLING HEAD

# RK260

Compact premium grabs with a reinforced design can be attached to forestry cranes and forestry trailers.

- ▶ Greater grip and cutting power
- ▶ 100 % made out of Nicrodur
- ▶ Greater productivity
- ▶ Low consumption
- ▶ Easier and faster installation
- ▶ Collecting grabs available
- ▶ Long service life

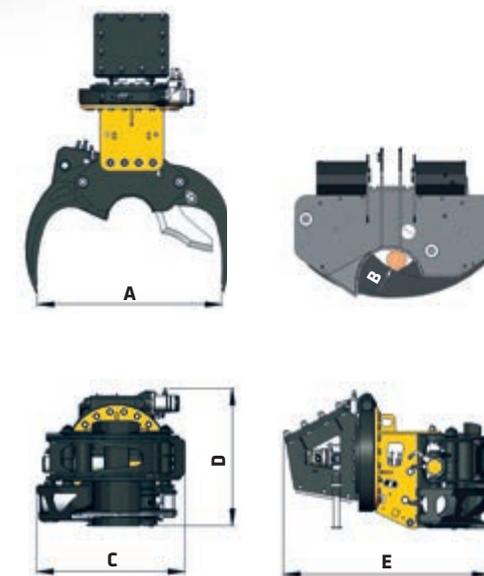


Hardox 500 knife.



Model		RK260B	RK260BZ	RK260BR	RK260BRZ
<b>Technical data</b>					
Max. diameter softwood	mm	260	260	260	260
Max. diameter hardwood	mm	210	210	210	210
Max. diameter of the grabs (A)	mm	1000	1000	1000	1000
Min. diameter of the grabs (B)	mm	50	50	50	50
Max. working pressure	MPa/bar	24/240	24/240	24/240	24/240
Required oil flow rate	l/min	40-80	40-80	40-80	40-80
Width (C)	mm	810	810	810	810
Height (D)	mm	800	800	1100	1100
Depth (E)	mm	558	558	732	732
Weight	kg	310	380	415	490
<b>Additional equipment</b>					
Hydraulic slew drive rotator		/	/	•	•
Shut-off valve for knife (mechanical)		o	o	o	o
Shut-off valve for knife (electro-hydraulic)		o	o	o	o

• - Standard, o - Option, / - Not possible



## FELLING HEAD

# RK250

With felling head cutting down small diameter wood and shrubs, cleaning river banks, and afterward handling with logs becomes easy and simple. Felling heads are mostly used for municipal utility services.

- ▶ RK250K – for cranes
- ▶ RK250B – for excavators

Appropriate for:

- ▶ Bank cleaning
- ▶ Felling of small wood and bushes
- ▶ Loading wood



Hardox 500 knife.

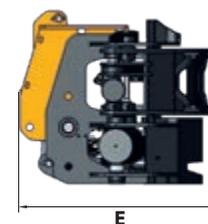
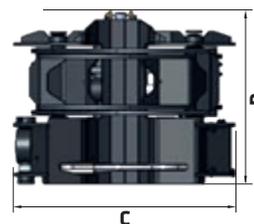
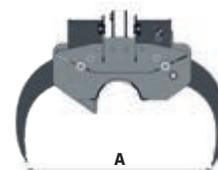


Excavator quick hitch (S40 or S50)



Model		RK250K	RK250B
<b>Technical data</b>			
Max. diameter softwood	mm	250	250
Max. diameter hardwood	mm	200	200
Max. diameter of the grabs (A)	mm	1000	1000
Min. diameter of the grabs (B)	mm	70	70
Max. working pressure	MPa/bar	24/240	24/240
Required oil flow rate	l/min	40-80	40-80
Width (C)	mm	800	800
Height (D)	mm	660	870
Depth (E)	mm	615	580
Weight	kg	220	220
<b>Additional equipment</b>			
Hydraulic slew drive rotator		○	/
Shut-off valve for knife (mechanical)		○	○
Shut-off valve for knife (electro-hydraulic)		○	/

● - Standard, ○ - Option, / - Not possible





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